

Microsoft.DP-900.v2026-07-06.q131


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Exam Name:	Microsoft Azure Data Fundamentals
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https://www.freepdfdumps.com/Microsoft.DP-900.v2026-07-06.q131.html	

NEW QUESTION: 1

To complete the sentence, select the appropriate option in the answer area.

is an object associated with a table that sorts and stores the data rows in the table based on their key values.

- A clustered index
- A FileTable
- A foreign key
- A stored procedure




Answer:

is an object associated with a table that sorts and stores the data rows in the table based on their key values.

- A clustered index
- A FileTable
- A foreign key
- A stored procedure

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- A clustered index
- A FileTable
- A foreign key
- A stored procedure



Reference:

<https://docs.microsoft.com/en-us/sql/relational-databases/indexes/clustered-and-nonclustered-indexes-described?view=sql-server-ver15>

NEW QUESTION: 2

Which type of Microsoft Power BI visual can you use to examine trends over time for one or more series of values?

- A. funnel chart
- B. table

- C. pie chart
- D. line chart

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 3

What are two uses of data visualization? Each correct answer present a complete solution.

NOTE: Each correct selection is worth one point.

- A. Represent trends and patterns over time.
- B. Communicate the significance of data.
- C. implement machine learning to predict future values.
- D. Consistently implement business logic across reports

Answer: ([SHOW ANSWER](#))

Data visualization is a key component in being able to gain insight into your data. It helps make big and small data easier for humans to understand. It also makes it easier to detect patterns, trends, and outliers in groups of data.

Data visualization brings data to help you find key business insights quickly and effectively.

Reference:

<https://docs.microsoft.com/en-us/azure/synapse-analytics/spark/apache-spark-data-visualization>

NEW QUESTION: 4


What is a characteristic of non-relational data?

- A. no unique key values
- B. no indexes
- C. self-describing entities
- D. a well-defined schema


Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 5

To complete the sentence, select the appropriate option in the answer area.

In batch processing,  data is always inserted one row at a time.
data is processed in real-time.
latency is expected.
processing can only execute serially.

Answer:

In batch processing,  data is always inserted one row at a time.
data is processed in real-time.
latency is expected.
processing can only execute serially.

In batch processing, data is always inserted one row at a time.
 data is processed in real-time.
 latency is expected.
 processing can only execute serially.

Reference:

<https://www.bmc.com/blogs/what-is-batch-processing-batch-processing-explained/>

NEW QUESTION: 6

Match the Azure services to appropriate requirements.

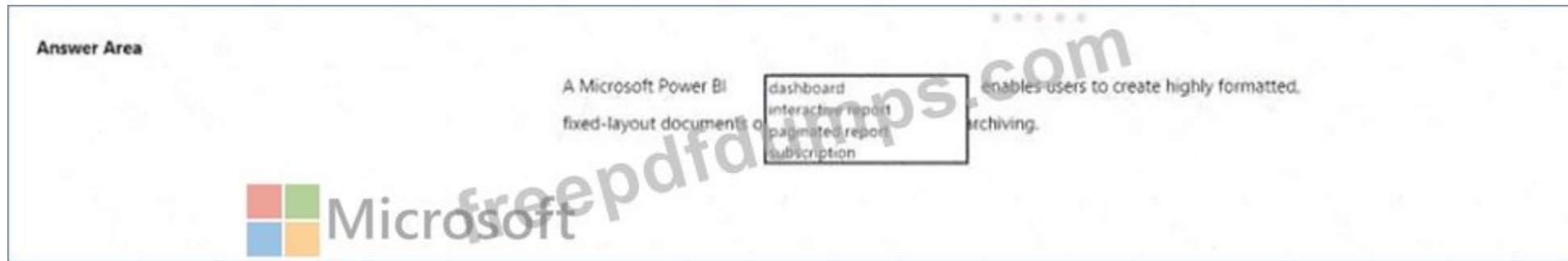
To answer, drag the appropriate services from the column on the left to its requirement on the right. Each service may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

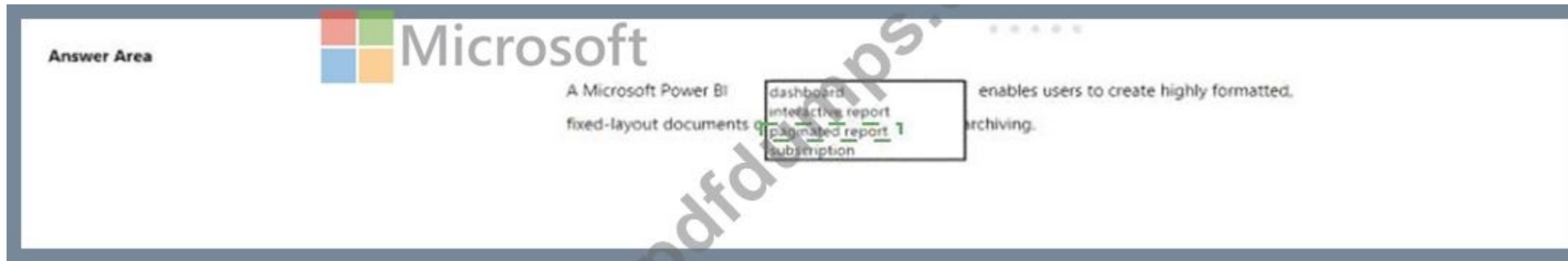
Answer:

NEW QUESTION: 7

To complete the sentence, select the appropriate option in the answer area.



Answer:



Explanation:

Paginated Reports

<https://powerbi.microsoft.com/en-us/blog/announcing-paginated-reports-in-power-bi-general-availability/>

NEW QUESTION: 8

You need to ensure that users use multi-factor authentication (MFA) when connecting to an Azure SQL database.

Which type of authentication should you use?

- A. service principal authentication
- B. Azure Active Directory (Azure AD) authentication
- C. SQL authentication
- D. certificate authentication

Answer: (SHOW ANSWER)

Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/authentication-mfa-ssms-overview>

NEW QUESTION: 9

Select the answer that correctly completes the sentence.



Answer:

Answer Area

Database administrators are responsible for the availability, performance, and optimization of databases.

- Database administrators
- Data analysts
- Data engineers
- Data scientists
- Database administrators



Answer Area

Database administrators are responsible for the availability, performance, and optimization of databases.



NEW QUESTION: 10

What is a difference between structured data and semi-structured data?

- A. Only Structured data supports entities.
- B. Structured data has a fixed schema and semi-structured data has a flexible schema.
- C. Only Structured data supports attributes.
- D. Structured data has a flexible schema and semi-structured data has a fixed schema.

Answer: **B** ([LEAVE A REPLY](#))

NEW QUESTION: 11

You need to store event log data that is semi-structured and received as the logs occur. What should you use?

- A. Azure Files
- B. Azure Queue storage
- C. Azure Table storage

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 12

In a fully denormalized database, how is data read and written for a single entity?

- A. Data is read from multiple tables and written to multiple tables.
- B. Data is read from multiple tables and written to a single table.
- C. Data is read from a single table and written to a single table.
- D. Data is read from a single table and written to multiple tables.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 13

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statements	Yes	No
Processing salary payments once a month is an example of a batch workload.	<input type="radio"/>	<input type="radio"/>
A wind turbine that sends 50 sensor readings per second is an example of a streaming workload.	<input type="radio"/>	<input type="radio"/>
A home electricity meter that sends readings once a day to an energy provider is an example of a streaming workload.	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
Processing salary payments once a month is an example of a batch workload.	<input checked="" type="radio"/>	<input type="radio"/>
A wind turbine that sends 50 sensor readings per second is an example of a streaming workload.	<input checked="" type="radio"/>	<input type="radio"/>
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A home electricity meter that sends readings once a day to an energy provider is an example of a streaming workload.	<input type="radio"/>	<input type="radio"/>

NEW QUESTION: 14

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statements	Yes	No
Relational database tables contain columns and rows.	<input type="radio"/>	<input type="radio"/>
Indexes in a relational database describe the data types in a table.	<input type="radio"/>	<input type="radio"/>
A database view is a virtual table whose content is defined by a query.	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

Statements	Yes	No
Relational database tables contain columns and rows.	<input checked="" type="radio"/>	<input type="radio"/>
Indexes in a relational database describe the data types in a table.	<input type="radio"/>	<input checked="" type="radio"/>
A database view is a virtual table whose content is defined by a query.	<input checked="" type="radio"/>	<input type="radio"/>

Explanation:

Statements	Yes	No
Relational database tables contain columns and rows	<input checked="" type="radio"/>	<input type="radio"/>
Indexes in a relational database describe the data types in a table	<input type="radio"/>	<input checked="" type="radio"/>
A database view is a virtual table whose content is defined by a query	<input checked="" type="radio"/>	<input type="radio"/>

Box 1: Yes

Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.

Box 2: No

An index is an on-disk structure associated with a table or view that speeds retrieval of rows from the table or view.

Box 3: Yes

A view is a virtual table whose contents are defined by a query. Like a table, a view consists of a set of named columns and rows of data.

Reference:

<https://docs.microsoft.com/en-us/sql/relational-databases/tables/tables>

<https://docs.microsoft.com/en-us/sql/relational-databases/indexes/clustered-and-nonclustered-indexes-described> <https://docs.microsoft.com/en-us/sql/relational-databases/views/views?view=sql-server-ver15>

NEW QUESTION: 15

You have structured data in tabular format.

What represents an individual instance of a data entity?

- A. a row
- B. a cell
- C. a table
- D. a column

Answer: [\(SHOW ANSWER\)](#)

NEW QUESTION: 16

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
In a relational database, the schema is defined before data is written to the table.	<input type="radio"/>	<input type="radio"/>
Key/value data stores are highly optimized for complex queries that contain multiple joins.	<input type="radio"/>	<input type="radio"/>
A relational database is commonly used to store and query structured data.	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

Statements	Yes	No
In a relational database, the schema is defined before data is written to the table.	<input checked="" type="radio"/>	<input type="radio"/>
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NEW QUESTION: 17

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
In non-relational databases, data is always stored in tables.	<input type="radio"/>	<input type="radio"/>
In non-relational databases, data is always stored by using a fixed schema.	<input type="radio"/>	<input type="radio"/>
In non-relational databases, two entities in the same collection can have different sets of fields.	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

Statements	Yes	No
In non-relational databases, data is always stored in tables.	<input type="radio"/>	<input checked="" type="radio"/>
In non-relational databases, data is always stored by using a fixed schema.	<input type="radio"/>	<input checked="" type="radio"/>
In non-relational databases, two entities in the same collection can have different sets of fields.	<input checked="" type="radio"/>	<input type="radio"/>

Answer Area

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In non-relational databases, data is always stored in tables.	<input type="radio"/>	<input checked="" type="radio"/>
In non-relational databases, data is always stored by using a fixed schema.	<input type="radio"/>	<input checked="" type="radio"/>
In non-relational databases, two entities in the same collection can have different sets of fields.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION: 18

To complete the sentence, select the appropriate option in the answer area.

An extract, transform, and load (ETL) process requires

- a matching schema in the data source and the data target.
- a target data store powerful enough to transform data.
- data that is fully processed before being loaded to the target data store.
- that the data target be a relational database.

Answer:

An extract, transform, and load (ETL) process requires

- a matching schema in the data source and the data target.
- a target data store powerful enough to transform data.
- data that is fully processed before being loaded to the target data store.
- that the data target be a relational database.

An extract, transform, and load (ETL) process requires

- a matching schema in the data source and the data target.
- a target data store powerful enough to transform data.
- data that is fully processed before being loaded to the target data store.
- that the data target be a relational database.

Reference:

<https://docs.microsoft.com/en-us/azure/architecture/data-guide/relational-data/etl>

NEW QUESTION: 19

To complete the sentence, select the appropriate option in the answer area.

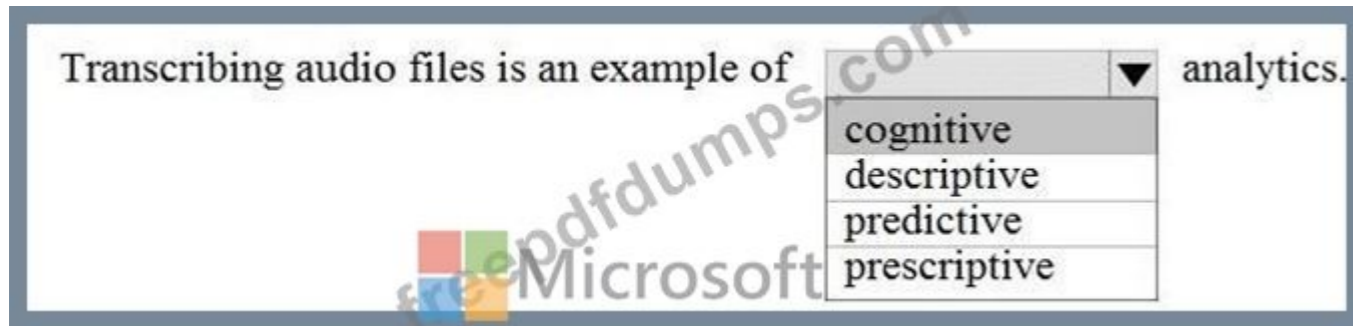
Transcribing audio files is an example of analytics

- cognitive
- descriptive
- predictive
- prescriptive

Answer:

Transcribing audio files is an example of analytics.

- cognitive
- descriptive
- predictive
- prescriptive



Reference:

<https://azure.microsoft.com/en-us/services/cognitive-services/speech-services/>

NEW QUESTION: 20

A bank has a system that manages financial transactions.

When transferring money between accounts, the system must never retrieve a value for the source account that reflects the balance before the transfer and a value for the destination account that reflects the balance after the transfer.

Of which ACID semantic is this an example?

- A. atomicity
- B. isolation
- C. durability
- D. consistency

Answer: A (LEAVE A REPLY)

Isolation. See course material:

o concurrent transactions cannot interfere with one another, and must result in a consistent database state.

o For example, while the transaction to transfer funds from one account to another is in-process, another transaction that checks the balance of these accounts must return consistent results - the balance-checking transaction can't retrieve a value for one account that reflects the balance before the transfer, and a value for the other account that reflects the balance after the transfer.

NEW QUESTION: 21

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statements	Yes	No
A Microsoft Power BI dashboard is associated with a single workspace.	<input type="radio"/>	<input type="radio"/>
A Microsoft Power BI dashboard can only display visualizations from a single dataset.	<input type="radio"/>	<input type="radio"/>
A Microsoft Power BI dashboard can display visualizations from a Microsoft Excel workbook.	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
A Microsoft Power BI dashboard is associated with a single workspace.	<input type="radio"/>	<input checked="" type="radio"/>
A Microsoft Power BI dashboard can only display visualizations from a single dataset.	<input type="radio"/>	<input checked="" type="radio"/>
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A Microsoft Power BI dashboard can display visualizations from a Microsoft Excel workbook.	<input checked="" type="radio"/>	<input type="radio"/>

Reference:

<https://docs.microsoft.com/en-us/power-bi/connect-data/service-datasets-across-workspaces>

<https://docs.microsoft.com/en-us/power-bi/consumer/end-user-dashboards> <https://powerbi.microsoft.com/en-us/excel-and-power-bi/>

NEW QUESTION: 22

Select the answer that correctly completes the sentence.

Answer Area

Azure Blob Storage page blobs are optimized for

random read and write operations.

append operations.

random read and write operations.

storing key/value data.

storing large binary objects that change infrequently.



Answer:

Answer Area

Azure Blob Storage page blobs are optimized for random read and write operations.

- random read and write operations.
- append operations.
- random read and write operations.
- storing key/value data.
- storing large binary objects that change infrequently.



Answer Area

Azure Blob Storage page blobs are optimized for random read and write operations.

NEW QUESTION: 23

For each of the following statements, select Yes if the statement is true. Otherwise, select No.
 NOTE: Each correct selection is worth one point.

Statements	Yes	No
Azure Synapse Analytics scales storage and compute independently	<input type="radio"/>	<input type="radio"/>
Azure Synapse Analytics can be paused to reduce compute costs	<input type="radio"/>	<input type="radio"/>
An Azure Synapse Analytics data warehouse has a fixed storage capacity	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
Azure Synapse Analytics scales storage and compute independently	<input checked="" type="radio"/>	<input type="radio"/>
Azure Synapse Analytics can be paused to reduce compute costs	<input checked="" type="radio"/>	<input type="radio"/>
An Azure Synapse Analytics data warehouse has a fixed storage capacity	<input type="radio"/>	<input checked="" type="radio"/>

Explanation:

Statements	Yes	No
Azure Synapse Analytics scales storage and compute independently	<input type="radio"/>	<input type="radio"/>
Azure Synapse Analytics can be paused to reduce compute costs	<input type="radio"/>	<input type="radio"/>
An Azure Synapse Analytics data warehouse has a fixed storage capacity	<input type="radio"/>	<input checked="" type="radio"/>

Box 1: Yes

Compute is separate from storage, which enables you to scale compute independently of the data in your system.

Box 2: Yes

You can use the Azure portal to pause and resume the dedicated SQL pool compute resources.

Pausing the data warehouse pauses compute. If your data warehouse was paused for the entire hour, you will not be charged compute during that hour.

Box 3: No

Storage is sold in 1 TB allocations. If you grow beyond 1 TB of storage, your storage account will automatically grow to 2 TBs.

Reference:

<https://azure.microsoft.com/en-us/pricing/details/synapse-analytics/>

NEW QUESTION: 24

tence.

Answer:

See the answer below:

Explanation:

Answer as below.

Answer Area

In batch processing, delay in delivering data processing results is acceptable.



NEW QUESTION: 25

In an analytical data model, which type of table contains entities that are used to aggregate numeric values, where each entity is represented by a row with a unique key value?

- A. fact
- B. dimension
- C. bridge

Answer: A (LEAVE A REPLY)

NEW QUESTION: 26

You are writing a set of SQL queries that administrators will use to troubleshoot an Azure SQL database.

You need to embed documents and query results into a SQL notebook.

What should you use?

- A. Microsoft SQL Server Management Studio (SSMS)
- B. Azure Data Studio
- C. Azure CLI
- D. Azure PowerShell

Answer: B ([LEAVE A REPLY](#))

Reference:

<https://www.mssqltips.com/sqlservertip/5997/create-sql-server-notebooks-in-azure-data-studio/>

NEW QUESTION: 27

To complete the sentence, select the appropriate option in the answer area.

physically sorts the data in a table based on the values in a specified column.

- A view
- A clustered index
- A stored procedure
- A nonclustered index

Answer:

physically sorts the data in a table based on the values in a specified column.

- A view
- A clustered index
- A stored procedure
- A nonclustered index

physically sorts the data in a table based on the values in a specified column.

- A view
- A clustered index
- A stored procedure
- A nonclustered index

Reference:

<https://docs.microsoft.com/en-us/sql/relational-databases/indexes/clustered-and-nonclustered-indexes-described?view=sql-server-ver15>

NEW QUESTION: 28

Which statement is an example of Data Definition Language (DDL)?

- A. SELECT
- B. JOIN
- C. MERGE

D. CREATE

Answer: D ([LEAVE A REPLY](#))

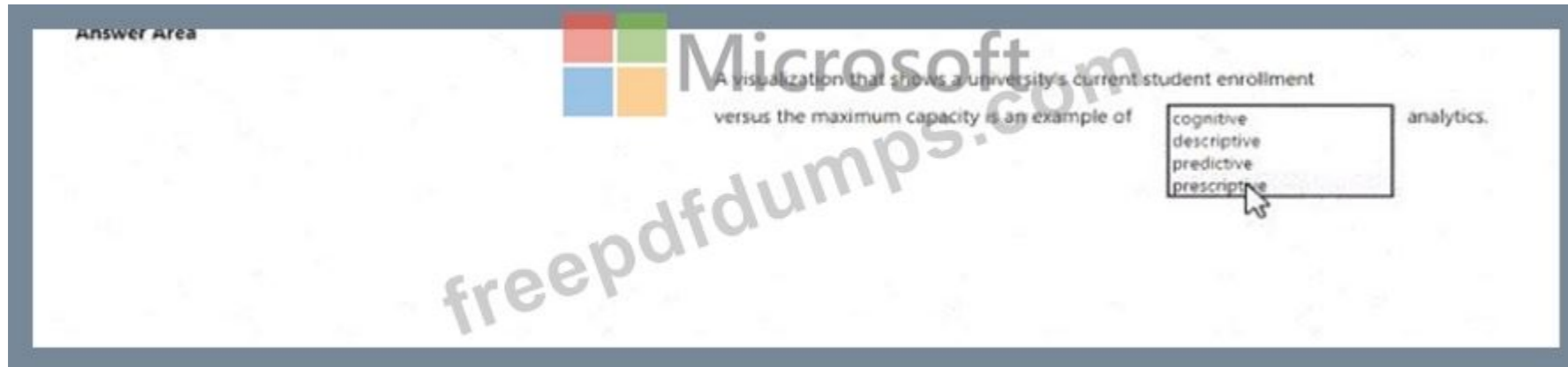
Reference:

<https://www.geeksforgeeks.org/difference-between-ddl-and-dml-in-dbms/>

NEW QUESTION: 29

To complete the sentence, select the appropriate option in the answer area.

Answer Area



A visualization that shows a university's current student enrollment versus the maximum capacity is an example of _____ analytics.

- cognitive
- descriptive
- predictive
- prescriptive

Answer:



A visualization that shows a university's current student enrollment versus the maximum capacity is an example of _____ analytics.

- cognitive
- descriptive
- predictive
- prescriptive

Explanation:



A visualization that shows a university's current student enrollment versus the maximum capacity is an example of _____ analytics.

- cognitive
- descriptive
- predictive
- prescriptive

Generally speaking, data analytics comes in four types (Figure 1):

Descriptive, to answer the question: What's happening?

Diagnostic, to answer the question: Why's happening?

Predictive, to answer the question: What will happen?

Prescriptive, to answer the question: What actions should we take?

Reference:

<https://azure.microsoft.com/en-us/blog/answering-whats-happening-whys-happening-and-what-will-happen- with-iot-analytics/>

NEW QUESTION: 30

Which type of database contains nodes and edges?

- A. graph
- B. time series
- C. key/value
- D. columnar

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 31

Match the security components to the appropriate scenarios.

To answer, drag the appropriate component from the column on the left to its scenario on the right. Each component may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Components	Answer Area
Authentication	<input type="text"/>
Firewall	<input type="text"/>
Encryption	<input type="text"/>

Prevent access to an Azure SQL database from another network.
Support Azure Active Directory (Azure AD) sign-ins to an Azure SQL database.
Ensure that sensitive data never appears as plain text in an Azure SQL database.

Answer:

Components	Answer Area
Authentication	Firewall
Firewall	Authentication
Encryption	Encryption

Prevent access to an Azure SQL database from another network.
Support Azure Active Directory (Azure AD) sign-ins to an Azure SQL database.
Ensure that sensitive data never appears as plain text in an Azure SQL database.

Firewall	Prevent access to an Azure SQL database from another network.
Authentication	Support Azure Active Directory (Azure AD) sign-ins to an Azure SQL database.
Encryption	Ensure that sensitive data never appears as plain text in an Azure SQL database.

Reference:

<https://docs.microsoft.com/en-us/sql/database-engine/configure-windows/configure-a-windows-firewall-for-database-engine-access?view=sql-server-ver15>

<https://docs.microsoft.com/en-us/azure/azure-sql/database/authentication-aad-overview>

<https://docs.microsoft.com/en-us/azure/azure-sql/database/always-encrypted-certificate-store-configure>

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NEW QUESTION: 32

What is used to define a query in a stream processing jobs in Azure Stream Analytics?

- A. SQL
- B. YAML
- C. XML
- D. KQL

Answer: A ([LEAVE A REPLY](#))

NEW QUESTION: 33

You have a table named Sales that contains the following data.

SalesDate	SalesAmount	ProductID
4-Apr-20	\$2,000	1
5-Apr-20	\$40	2
5-Apr-20	\$2,300	1
6-Apr-20	\$45	3
6-Apr-20	\$290	4

You need to query the table to return the average sales amount day. The output must produce the following results.

SalesDate	AVG(SalesAmount)
4-Apr-20	\$2,000
5-Apr-20	\$1,170
6-Apr-20	\$120

How should you complete the query? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Values

CREATE GROUP BY ORDER BY SELECT

Answer:

Values

CREATE GROUP BY ORDER BY SELECT

Answer Area

Value SalesDate, AVG(SalesAmount)

FROM Sales

Value SalesDate

Answer Area

SELECT SalesDate, AVG(SalesAmount)

FROM Sales

GROUP BY SalesDate

Explanation:

```
SELECT SalesDate, AVG(SalesAmount)
FROM Sales
GROUP BY SalesDate
ORDER BY SalesDate
```

Box 1: SELECT

Box 2: GROUP BY

Example:

When used with a GROUP BY clause, each aggregate function produces a single value covering each group, instead of a single value covering the whole table. The following example produces summary values for each sales territory in the AdventureWorks2012 database. The summary lists the average bonus received by the sales people in each territory, and the sum of year-to-date sales for each territory. `SELECT TerritoryID, AVG(Bonus) as 'Average bonus', SUM(SalesYTD) as 'YTD sales' FROM Sales.SalesPerson GROUP BY TerritoryID;` Reference: <https://docs.microsoft.com/en-us/sql/t-sql/functions/avg-transact-sql>

NEW QUESTION: 34

Select the answer that correctly completes the sentence.

Answer Area

The Azure Cosmos DB enables the use of SELECT statements to retrieve documents from Azure Cosmos DB.

- for NoSQL
- for Apache Gremlin
- for MongoDB
- for Table



Answer:

Answer Area



The Azure Cosmos DB enables the use of SELECT statements to retrieve documents from Azure Cosmos DB.

- for NoSQL
- for Apache Gremlin
- for MongoDB
- for Table

Answer Area

The Azure Cosmos DB enables the use of SELECT statements to retrieve documents from Azure Cosmos DB.



NEW QUESTION: 35

To complete the sentence, select the appropriate option in the answer area.

Answer Area

An extract, load, and transform (ELT) process requires

- a data pipeline that includes a transformation engine.
- a separate transformation engine.
- a target data store powerful enough to transform data.
- data that is fully processed before being loaded to the target data store.

Answer:

Answer Area

An extract, load, and transform (ELT) process requires

- a data pipeline that includes a transformation engine.
- a separate transformation engine.
- a target data store powerful enough to transform data.
- data that is fully processed before being loaded to the target data store.

Answer Area



An extract, load, and transform (ELT) process requires

NEW QUESTION: 36

Match the terms to the appropriate descriptions.

To answer, drag the appropriate term from the column on the left to its description on the right. Each term may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Language	Answer Area
<input type="text" value="JavaScript"/>	<input type="text"/>
<input type="text" value="KQL"/>	<input type="text"/>
<input type="text" value="Python"/>	<input type="text"/>
<input type="text" value="SQL"/>	<input type="text"/>

Microsoft

Azure Data Explorer
Azure Stream Analytics
Azure Synapse Analytics

Answer:

Language	Answer Area
<input type="text" value="JavaScript"/>	<input type="text"/>
<input type="text" value="KQL"/>	<input type="text" value="KQL"/>
<input type="text" value="Python"/>	<input type="text"/>
<input type="text" value="SQL"/>	<input type="text" value="SQL"/>

Microsoft

Azure Data Explorer
Azure Stream Analytics
Azure Synapse Analytics

Language	Answer Area
<input type="text" value="JavaScript"/>	<input type="text" value="KQL"/>
<input type="text" value="KQL"/>	<input type="text" value="SQL"/>
<input type="text" value="Python"/>	<input type="text" value="Python"/>
<input type="text" value="SQL"/>	<input type="text"/>

Microsoft

Azure Data Explorer
Azure Stream Analytics
Azure Synapse Analytics

NEW QUESTION: 37

You plan to deploy an app. The app requires a nonrelational data service that will provide latency guarantees of less than 10-ms for reads and writes. What should you include in the solution?

- A. Azure Cosmos

- B. Azure Table storage
- C. Azure Files
- D. Azure Blob storage

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 38

Select the answer that correctly completes the sentence.

Answer:

See the answer below:

Explanation:

Answer as below.

Answer Area

In a relational database, each row in a table has a key-value pair

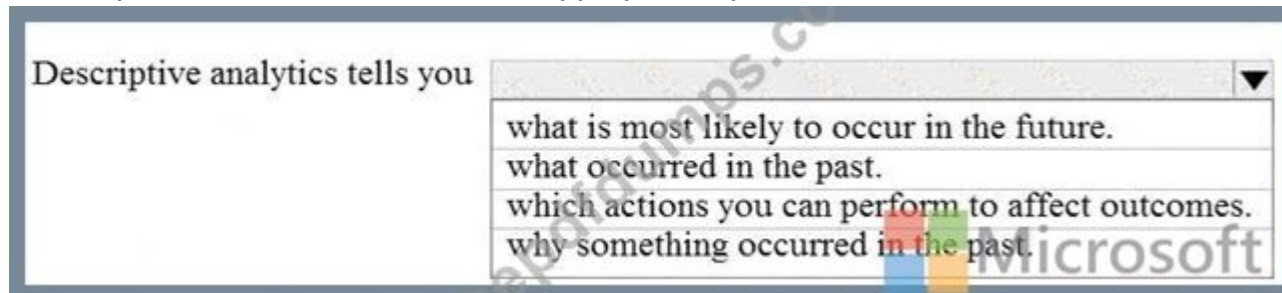


NEW QUESTION: 39

To complete the sentence, select the appropriate option in the answer area.

Descriptive analytics tells you

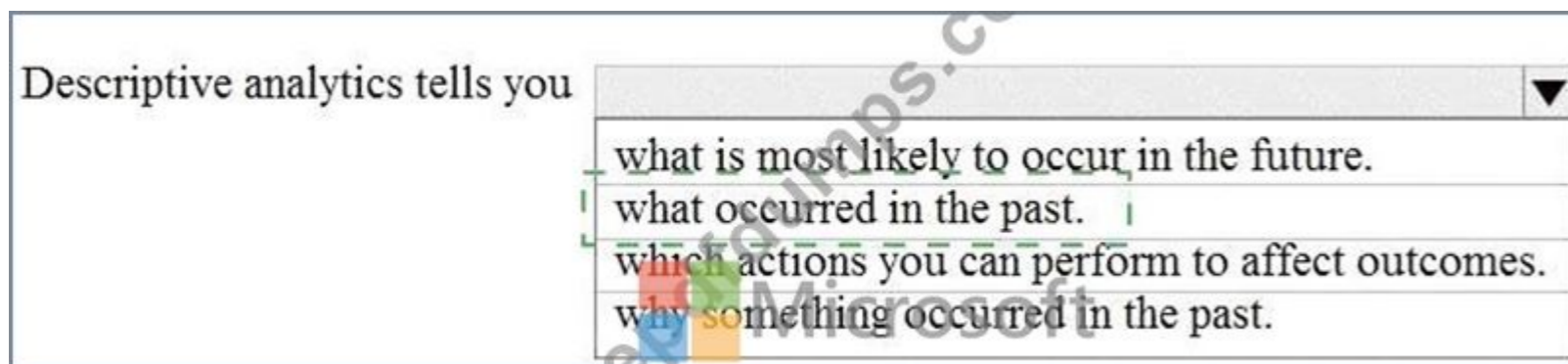
- what is most likely to occur in the future.
- what occurred in the past.
- which actions you can perform to affect outcomes.
- why something occurred in the past.

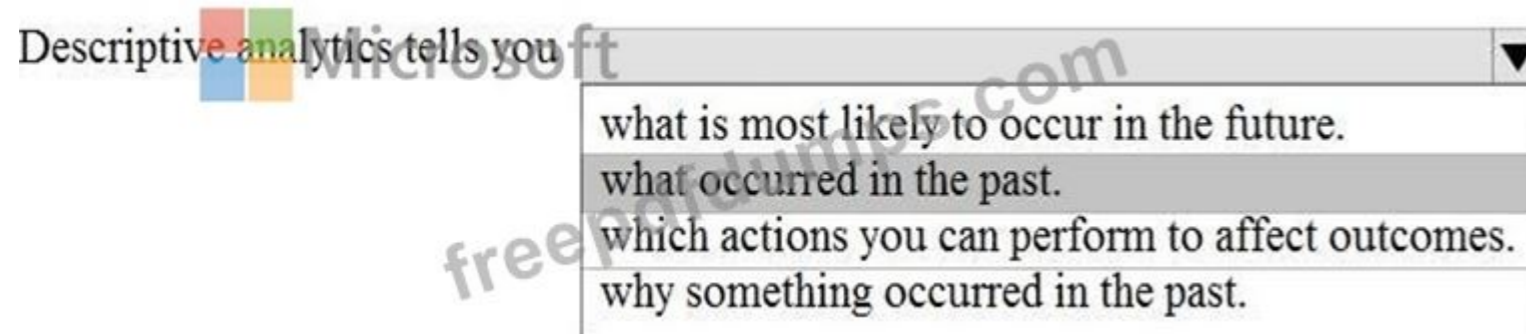


Answer:

Descriptive analytics tells you

- what is most likely to occur in the future.
- what occurred in the past.
- which actions you can perform to affect outcomes.
- why something occurred in the past.





Reference:

[https://demand-planning.com/2020/01/20/the-differences-between-descriptive-diagnostic-predictive-cognitive- ana lytics/](https://demand-planning.com/2020/01/20/the-differences-between-descriptive-diagnostic-predictive-cognitive-ana lytics/)

NEW QUESTION: 40

Which statement is an example of Data Definition Language (DDL)?

- A. SELECT
- B. INSERT
- C. DELETE
- D. DROP

Answer: (SHOW ANSWER)

Data Definition Language (DDL) statements defines data structures. Use these statements to create, alter, or drop data structures in a database. These statements include:

- ALTER
- Collations
- CREATE
- DROP
- DISABLE TRIGGER
- ENABLE TRIGGER
- RENAME
- UPDATE STATISTICS
- TRUNCATE TABLE

Reference:

<https://docs.microsoft.com/en-us/sql/t-sql/statements/statements>

NEW QUESTION: 41

Match the Azure SQL services to the appropriate use cases.

To answer, drag the appropriate service from the column on the left to its use case on the right. Each service may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Azure SQL services

- Azure SQL Database elastic pool
- Azure SQL Database single database
- Azure SQL Managed Instance

Answer Area

- A serverless configuration
- A database that has the highest compatibility with on-premises Microsoft SQL Server
- A low-cost, low-maintenance database

Answer:

Azure SQL services

- Azure SQL Database elastic pool
- Azure SQL Database single database
- Azure SQL Managed Instance

Answer Area

- Azure SQL Database single database A serverless configuration
- Azure SQL Database elastic pool A database that has the highest compatibility with on-premises Microsoft SQL Server
- Azure SQL Managed Instance A low-cost, low-maintenance database

Azure SQL services

- Azure SQL Database elastic pool
- Azure SQL Database single database
- Azure SQL Managed Instance

Answer Area

- Azure SQL Database single database A serverless configuration
- Azure SQL Database elastic pool A database that has the highest compatibility with on-premises Microsoft SQL Server
- Azure SQL Managed Instance A low-cost, low-maintenance database

Microsoft

NEW QUESTION: 42

You need to modify a view in a relational database by adding a new column.

Which statement should you use?

- A. ALTER
- B. UPDATE
- C. MERGE
- D. INSERT

Answer: A (LEAVE A REPLY)

NEW QUESTION: 43

Which service is optimized for IoT scenarios that involve streaming time series data?

- A. Azure SQL Database
- B. Azure SQL Edge
- C. Azure SQL Managed Instance
- D. SQL Server on Azure Virtual Machines

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 44

What is the primary purpose of a data warehouse?

- A. to provide answers to complex queries that rely on data from multiple sources
- B. to provide transformation services between source and target data stores
- C. to provide read-only storage of relational and non-relational historical data
- D. to provide storage for transactional line-of-business (LOB) applications

Answer: ([SHOW ANSWER](#))

Consider using a data warehouse when you need to keep historical data separate from the source transaction systems for performance reasons. Data warehouses make it easy to access historical data from multiple locations, by providing a centralized location using common formats, keys, and data models.

Query both relational and nonrelational data.

Reference:

<https://docs.microsoft.com/en-us/azure/architecture/data-guide/relational-data/data-warehousing>

NEW QUESTION: 45

Select the answer that correctly completes the sentence.



Answer:

Answer Area



Answer Area

Microsoft

Varying fields for each entity in a JSON document is an example of ▼

NEW QUESTION: 46

What is the typical latency for read operations against media files stored in the Cool access tier of Azure Blob Storage?

- A. a few minutes
- B. a few seconds
- C. a few milliseconds
- D. a few hours

Answer: C (LEAVE A REPLY)

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NEW QUESTION: 47

You need to query a table named Products in an Azure SQL database.

Which three requirements must be met to query the table from the internet? Each correct answer presents part of the solution. (Choose three.) NOTE: Each correct selection is worth one point.

- A. You must be assigned the Reader role for the resource group that contains the database.
- B. You must have SELECT access to the Products table.
- C. You must have a user in the database.
- D. You must be assigned the Contributor role for the resource group that contains the database.
- E. Your IP address must be allowed to connect to the database.

Answer: B,C,E (LEAVE A REPLY)

<https://docs.microsoft.com/en-us/sql/relational-databases/security/authentication-access/getting-started-with-database-engine-permissions?view=sql-server-ver15>

NEW QUESTION: 48

Select the answer that correctly completes the sentence.

Answer Area

Microsoft

The service is optimized for IoT solutions.


- Azure SQL Edge
- Azure SQL Database
- Azure SQL Edge
- Azure SQL Managed Instance
- SQL Server on Azure Virtual Machines

Answer:

Answer Area

The Azure SQL Edge service is optimized for IoT solutions.

Azure SQL Edge
 Azure SQL Database
 Azure SQL Edge
 Azure SQL Managed Instance
 SQL Server on Azure Virtual Machines



Answer Area



The Azure SQL Edge service is optimized for IoT solutions.

NEW QUESTION: 49

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statements	Yes	No
You can copy a dashboard between Microsoft Power BI workspaces.	<input type="radio"/>	<input type="radio"/>
A Microsoft Power BI dashboard can only display visualizations from a single dataset.	<input type="radio"/>	<input type="radio"/>
A Microsoft Power BY dashboard can display visualizations from a Microsoft Excel workbook.	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
You can copy a dashboard between Microsoft Power BI workspaces.	<input type="radio"/>	<input checked="" type="radio"/>
A Microsoft Power BI dashboard can only display visualizations from a single dataset.	<input type="radio"/>	<input checked="" type="radio"/>
A Microsoft Power BY dashboard can display visualizations from a Microsoft Excel workbook.	<input checked="" type="radio"/>	<input type="radio"/>

Explanation:

Statements	Yes	No
You can copy a dashboard between Microsoft Power BI workspaces.	<input type="radio"/>	<input checked="" type="radio"/>
A Microsoft Power BI dashboard can only display visualizations from a single dataset.	<input type="radio"/>	<input checked="" type="radio"/>
A Microsoft Power BY dashboard can display visualizations from a Microsoft Excel workbook.	<input checked="" type="radio"/>	<input type="radio"/>

Box 1: No

You can duplicate a dashboard. The duplicate ends up in the same Power BI workspace.
There is no current functionality that allows you to move reports from one workspace to another.

Box 2: No

Box 3: Yes

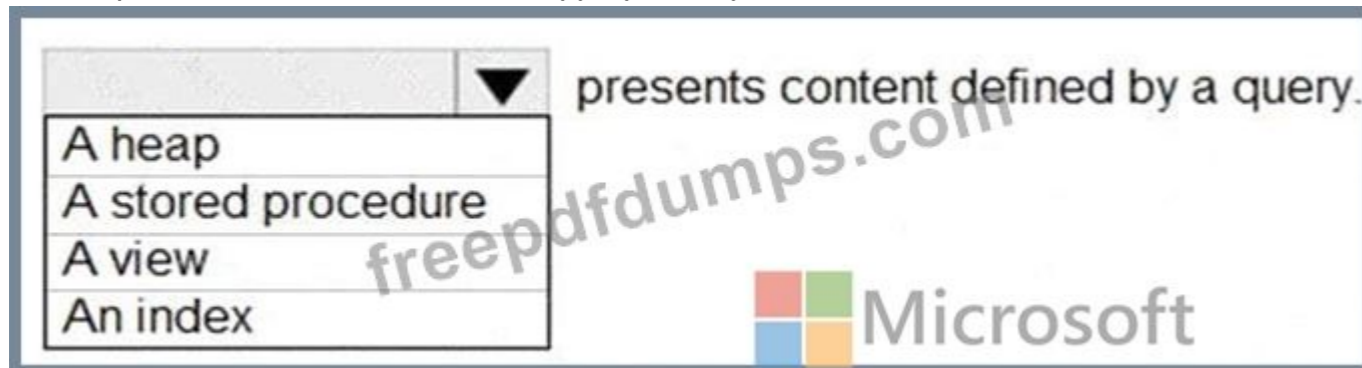
Reference:

<https://docs.microsoft.com/en-us/power-bi/connect-data/service-datasets-across-workspaces>

<https://docs.microsoft.com/en-us/power-bi/consumer/end-user-dashboards> <https://powerbi.microsoft.com/en-us/excel-and-power-bi/>

NEW QUESTION: 50

To complete the sentence, select the appropriate option in the answer area.



Answer:



Explanation:

A View

NEW QUESTION: 51

In Azure Table storage, each row in a table must be uniquely identified by which two components?
Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. a partition key
- B. a row key
- C. a timestamp
- D. a range

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 52

To complete the sentence, select the appropriate option in the answer area.

A visualization that illustrates a university's current student enrollment per department is an example of _____ analytics.

- cognitive
- descriptive
- predictive
- prescriptive

Answer:

A visualization that illustrates a university's current student enrollment per department is an example of _____ analytics.

- cognitive
- descriptive
- predictive
- prescriptive

Explanation:

A visualization that illustrates a university's current student enrollment per department is an example of _____ analytics.



- cognitive
- descriptive
- predictive
- prescriptive

Generally speaking, data analytics comes in four types:

- * Descriptive, to answer the question: What's happening?
- * Diagnostic, to answer the question: Why's happening?
- * Predictive, to answer the question: What will happen?
- * Prescriptive, to answer the question: What actions should we take?



Reference:

<https://azure.microsoft.com/en-us/blog/answerin-g-whats-happening-whys-happening-and-what-will-happen-with-iot-analytics/>

NEW QUESTION: 53

Match the types of workloads to the appropriate scenarios.

To answer, drag the appropriate workload type from the column on the left to its scenario on the right. Each workload type may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Answer:

Explanation:

Box 1: Batch

Batch processing refers to the processing of blocks of data that have already been stored over a period of time.

Box 2: Streaming

Stream processing is a big data technology that allows us to process data in real-time as they arrive and detect conditions within a small period of time from the point of receiving the data. It allows us to feed data into analytics tools as soon as they get generated and get instant analytics results.

Box 3: Batch

Reference:

<https://docs.microsoft.com/en-us/azure/architecture/data-guide/technology-choices/batch-processing>

NEW QUESTION: 54

Select the answer that correctly completes the sentence.

Select the answer that correctly completes the sentence.

 Microsoft

Answer Area

Microsoft Power BI Desktop provides a full range of Power BI data modeling and report editing features.

- Microsoft Power BI Desktop
- The Microsoft Power BI service
- The Microsoft Power BI phone app


Answer:

Select the answer that correctly completes the sentence.


Answer Area

Microsoft Power BI Desktop provides a full range of Power BI data modeling and report editing features.

- Microsoft Power BI Desktop
- The Microsoft Power BI service
- The Microsoft Power BI phone app

 Microsoft

Answer Area

 Microsoft

Microsoft Power BI Desktop provides a full range of Power BI data modeling and report editing features.

NEW QUESTION: 55

Select the answer that correctly completes the sentence.

Answer Area

When using the Azure Cosmos DB for Apache Gremlin, the container resource type is projected as a

graph. Microsoft
graph.
table.
partition key.
document.

Answer:

See the answer in explanation below.

Explanation:

Answer below as:

Answer Area

When using the Azure Cosmos DB Gremlin API, the container resource type is projected as a Microsoft

NEW QUESTION: 56

Select the answer that correctly completes the sentence. For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
You must apply operating system updates to Azure SQL databases regularly.	<input type="radio"/>	<input type="radio"/>
You need a Microsoft 365 subscription to create an Azure SQL database.	<input type="radio"/>	<input type="radio"/>
You can use existing Microsoft SQL Server licenses to reduce the cost of Azure SQL databases.	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

Statements	Yes	No
You must apply operating system updates to Azure SQL databases regularly.	<input type="radio"/>	<input checked="" type="radio"/>
You need a Microsoft 365 subscription to create an Azure SQL database.	<input type="radio"/>	<input checked="" type="radio"/>
You can use existing Microsoft SQL Server licenses to reduce the cost of Azure SQL databases.	<input checked="" type="radio"/>	<input type="radio"/>

Answer Area

Statements	Yes	No
You must apply operating system updates to Azure SQL databases regularly.	<input type="radio"/>	<input checked="" type="radio"/>
You need a Microsoft 365 subscription to create an Azure SQL database.	<input type="radio"/>	<input checked="" type="radio"/>
You can use existing Microsoft SQL Server licenses to reduce the cost of Azure SQL databases.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION: 57

You need to perform hybrid transactional and analytical processing (HTAP) queries against Azure Cosmos DB data sources by using Azure Synapse Analytics.

What should you use?

- A. Synapse pipelines
- B. a Synapse SQL pool
- C. Synapse Link
- D. Synapse Studio

Answer: C (LEAVE A REPLY)

Reference:

<https://docs.microsoft.com/en-us/azure/cosmos-db/synapse-link>

NEW QUESTION: 58

Match the types of workloads the appropriate scenario.

To answer, drag the appropriate workload type from the column on the left to its scenario on the right. Each workload type may be used once, more than once or not at all.

NOTE: Each correct match is worth one point.

Workload Types

Batch Micro-batch Streaming

Answer Area

Workload Type	Data for a product catalog will be loaded every 12 hours to a data warehouse.
Workload Type	Data for online purchases will be loaded to a data warehouse as the purchases occur.
Workload Type	Updates to inventory data will be loaded to a data warehouse every 1,000 transactions.

Answer:

Workload Types

Batch Micro-batch Streaming

Answer Area

Batch	Data for a product catalog will be loaded every 12 hours to a data warehouse.
Streaming	Data for online purchases will be loaded to a data warehouse as the purchases occur.
Micro-batch	Updates to inventory data will be loaded to a data warehouse every 1,000 transactions.

Workload Types

Batch Micro-batch Streaming

Microsoft

Answer Area

Batch	Data for a product catalog will be loaded every 12 hours to a data warehouse.
Streaming	Data for online purchases will be loaded to a data warehouse as the purchases occur.
Micro-batch	Updates to inventory data will be loaded to a data warehouse every 1,000 transactions.

NEW QUESTION: 59

Your company needs to ensure that in Azure virtual machine can connect to Azure SQL databases without exposing the databases to the internet. What should you use?

- A. Azure DNS
- B. Azure Application Gateway
- C. Azure Private link
- D. Azure Traffic Manager

Answer: (SHOW ANSWER)

Azure Private Link enables you to access Azure PaaS Services (for example, Azure Storage and SQL Database) and Azure hosted customer-owned/partner services over a private endpoint in your virtual network.

Traffic between your virtual network and the service travels the Microsoft backbone network. Exposing your service to the public internet is no longer necessary Reference:

<https://techcommunity.microsoft.com/t5/azure-database-support-blog/azure-sql-db-private-link-private-endpoint-connectivity/ba-p/1235573>

NEW QUESTION: 60

To complete the sentence, select the appropriate option in the answer area.

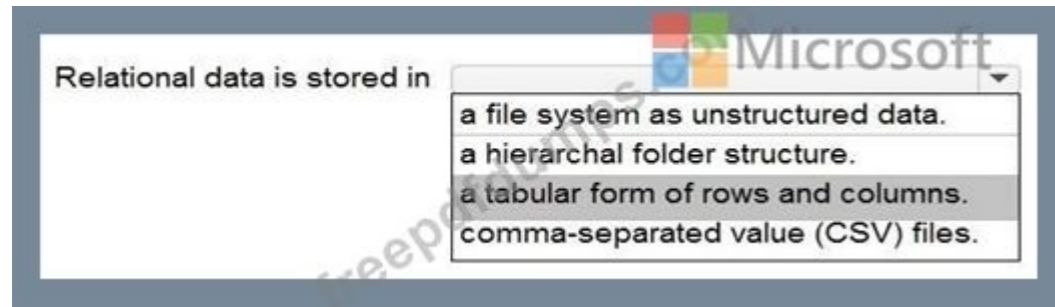
Relational data is stored in

- a file system as unstructured data.
- a hierarchal folder structure.
- a tabular form of rows and columns.
- comma-separated value (CSV) files.

Answer:

Relational data is stored in

- a file system as unstructured data.
- a hierarchal folder structure.
- a tabular form of rows and columns.
- comma-separated value (CSV) files.



NEW QUESTION: 61

A bar chart showing year-to date sales by region is an example of which type of analytics?

- A. prescriptive
- B. diagnostic
- C. descriptive
- D. predictive

Answer: B (LEAVE A REPLY)

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NEW QUESTION: 62

You need to store data in Azure Blob storage for seven years to meet your company's compliance requirements. The retrieval time of the data is unimportant. The solution must minimize storage costs. Which storage tier should you use?

- A. Archive
- B. Hot
- C. Cool

Answer: A (LEAVE A REPLY)

NEW QUESTION: 63

Which component of Azure Data Factory enables you to define a sequence of activities including for each iterators?

- A. linked services
- B. datasets
- C. control flow
- D. the integration runtime

Answer: C (LEAVE A REPLY)

NEW QUESTION: 64

Select the answer that correctly completes the sentence.



Answer:

See the answer in explanation below.

Explanation:

Answer below as:



NEW QUESTION: 65

You need to recommend a non-relational data store that is optimized for storing and retrieving files, videos, audio stream, and virtual disk images. The data store must store data, some metadata, and a unique ID for each file.

Which type of data store should you recommend?

- A. document
- B. key/value
- C. object
- D. columnar

Answer: C (LEAVE A REPLY)

Object storage is optimized for storing and retrieving large binary objects (images, files, video and audio streams, large application data objects and documents, virtual machine disk images). Large data files are also popularly used in this model, for example, delimiter file (CSV), parquet, and ORC. Object stores can manage extremely large amounts of unstructured data.

Reference:

<https://docs.microsoft.com/en-us/azure/architecture/guide/technology-choices/data-store-overview>

NEW QUESTION: 66

To complete the sentence, select the appropriate option in the answer area.

Microsoft
Creating closed caption text for audio files is an example of analytics.

- cognitive
- descriptive
- predictive
- prescriptive

Answer:

Creating closed caption text for audio files is an example of analytics.

Microsoft

- cognitive
- descriptive
- predictive
- prescriptive

Explanation:

Creating closed caption text for audio files is an example of analytics.

- cognitive
- descriptive
- predictive
- prescriptive

Descriptive, to answer the question: What's happening?



Descriptive
What's happening?



Diagnostic
Why's happening?



Predictive
What will happen?



Prescriptive
What actions should we take?

Note: Azure Media Indexer enables you to make content of your media files searchable and to generate a full- text transcript for closed captioning and keywords. You can process one media file or multiple media file s in a batch.

Reference:

<https://demand-planning.com/2020/01/20/the-differences-between-descriptive-diagnostic-predictive- cognitive-analytics/>

<https://azure.microsoft.com/en-us/blog/answering-whats-happening-whys-happening-and-what-will-happen- with -iot-analytics/>

<https://docs.microsoft.com/en-us/azure/media-services/previous/media-services-index-content>

NEW QUESTION: 67

What are two benefits of platform as a service (PaaS) relational database offerings in Azure, such as Azure SQL Database? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- A. complete control over backup and restore processes
- B. access to the latest features
- C. in-database machine learning services
- D. reduced administrative effort for managing the server infrastructure

Answer: B,C (LEAVE A REPLY)

Azure SQL Database is a fully managed platform as a service (PaaS) database engine that handles most of the database management functions such as upgrading, patching, backups, and monitoring without user involvement.

SQL Database delivers predictable performance with multiple resource types, service tiers, and compute sizes.

It provides dynamic scalability with no downtime, built-in intelligent optimization, global scalability and availability, and advanced security options. These capabilities allow you to focus on rapid app development and accelerating your time-to-market, rather than on managing virtual machines and infrastructure.

Reference:

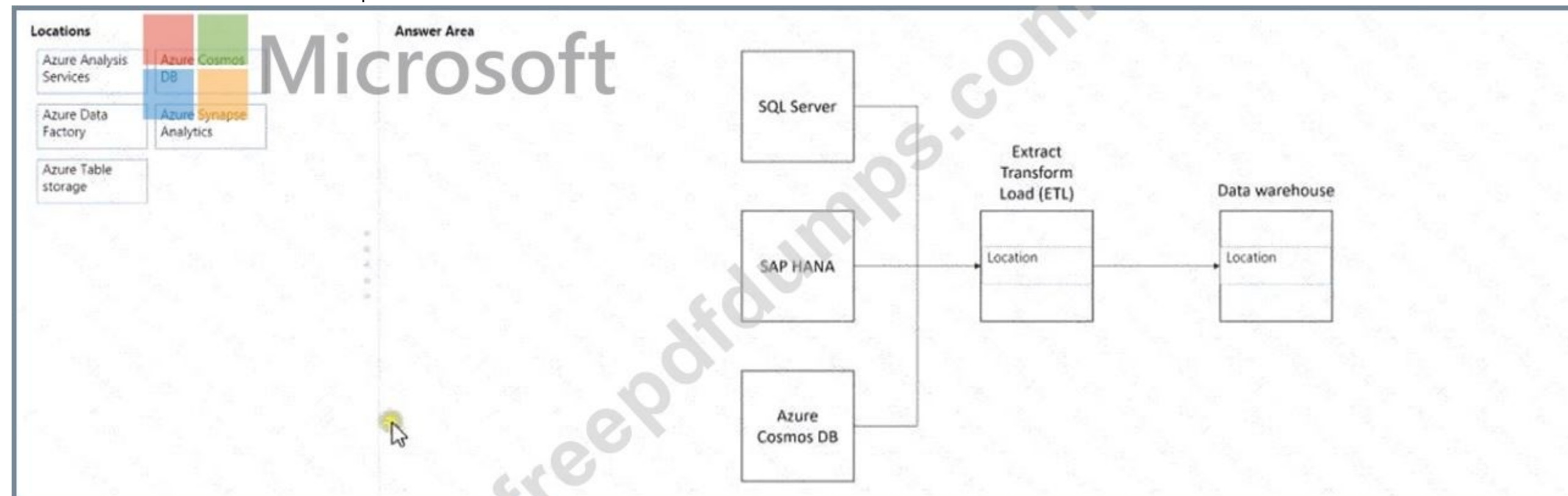
<https://docs.microsoft.com/en-us/azure/azure-sql/database/sql-database-paas-overview>

NEW QUESTION: 68

Match the Azure services to the appropriate locations in the architecture.

To answer, drag the appropriate service from the column on the left to its location on the right. Each service may be used once, more than once, or not at all.

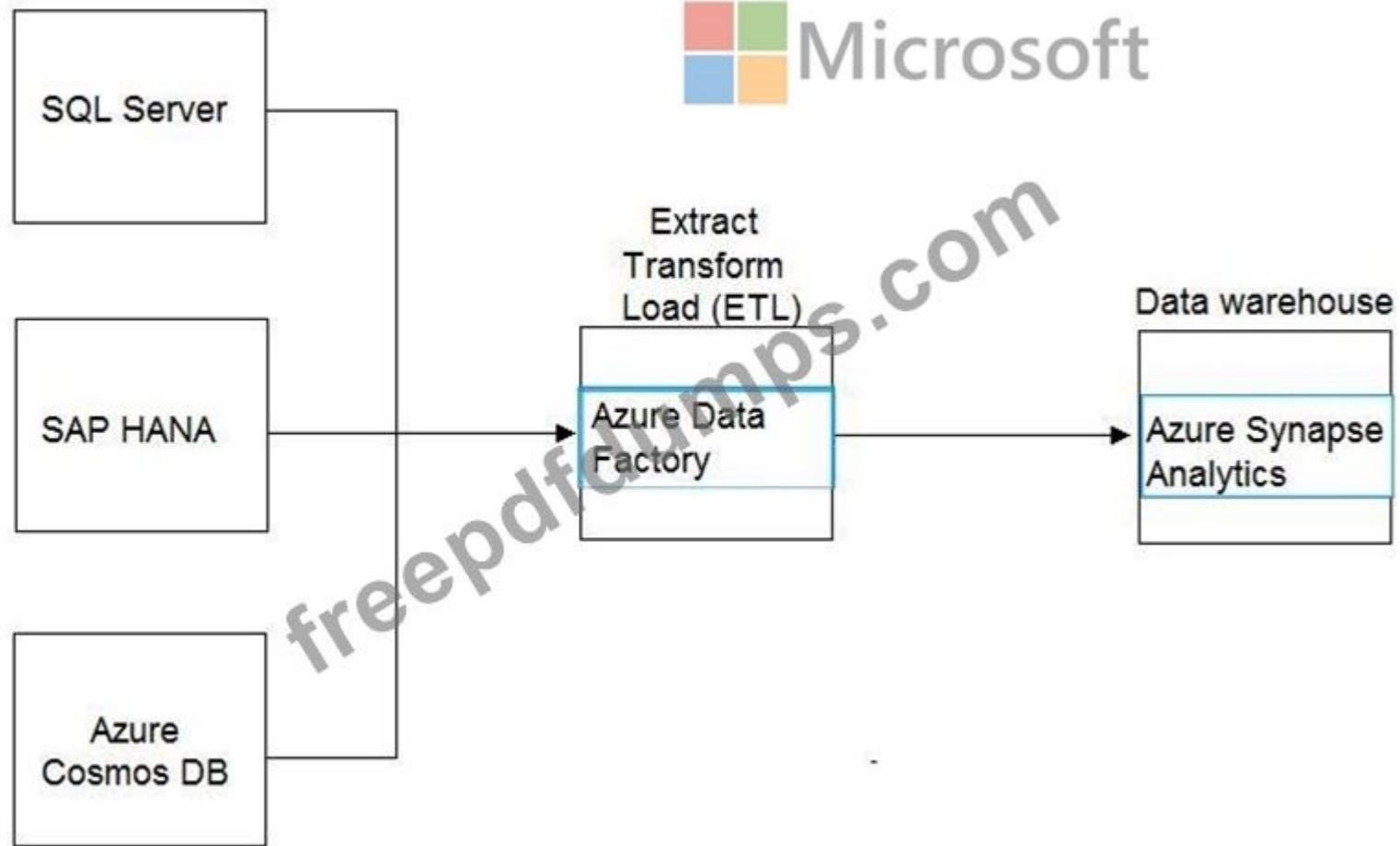
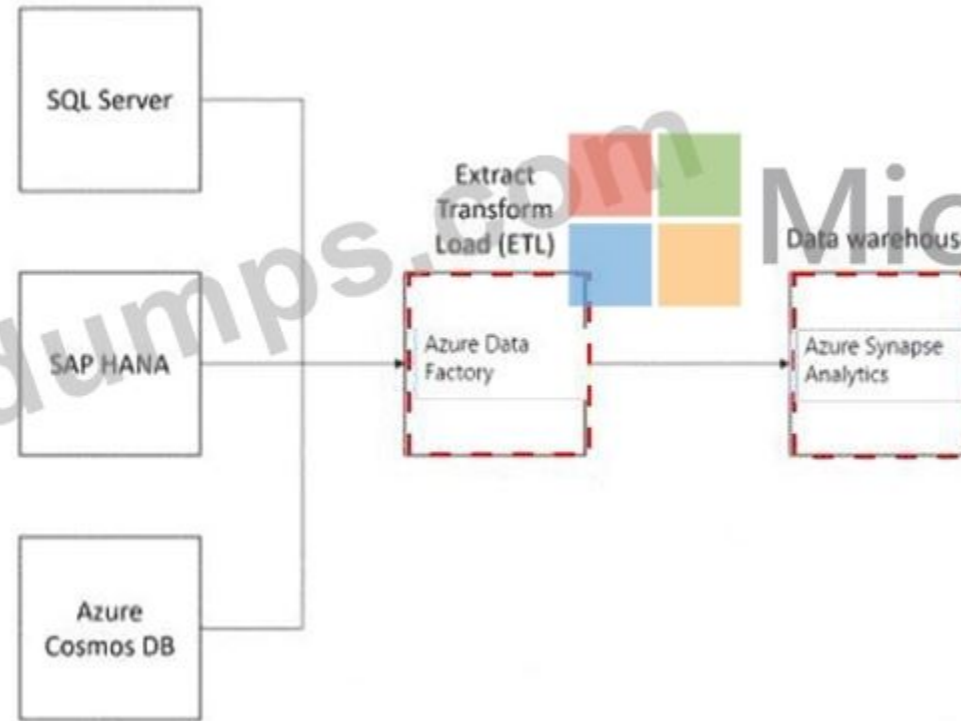
NOTE: Each correct match is worth one point.



Answer:

- Locations**
- Azure Analysis Services
 - Azure Cosmos DB
 - Azure Data Factory
 - Azure Synapse Analytics
 - Azure Table storage

Answer Area



NEW QUESTION: 69

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statements	Yes	No
Platform as a service (PaaS) database offerings in Azure provide built-in high availability.	<input type="radio"/>	<input type="radio"/>
Platform as a service (PaaS) database offerings in Azure provide configurable scaling options.	<input type="radio"/>	<input type="radio"/>
Platform as a service (PaaS) database offerings in Azure reduce the administrative overhead for managing hardware.	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
Platform as a service (PaaS) database offerings in Azure provide built-in high availability.	<input checked="" type="radio"/>	<input type="radio"/>
Platform as a service (PaaS) database offerings in Azure provide configurable scaling options.	<input checked="" type="radio"/>	<input type="radio"/>
Platform as a service (PaaS) database offerings in Azure reduce the administrative overhead for managing hardware.	<input checked="" type="radio"/>	<input type="radio"/>

Statements	Yes	No
Platform as a service (PaaS) database offerings in Azure provide built-in high availability.	<input type="radio"/>	<input type="radio"/>
Platform as a service (PaaS) database offerings in Azure provide configurable scaling options.	<input type="radio"/>	<input type="radio"/>
Platform as a service (PaaS) database offerings in Azure reduce the administrative overhead for managing hardware.	<input type="radio"/>	<input type="radio"/>

Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/sql-database-paas-overview>

NEW QUESTION: 70

You are deploying a software as a service (SaaS) application that requires a relational database for Online Transaction Processing (OLTP).

Which Azure service should you use to support the application?

- A. Azure Cosmos DB
- B. Azure Synapse Analytics
- C. Azure HDInsight
- D. Azure SQL Database

Answer: D (LEAVE A REPLY)

Azure SQL Database is relational database and a managed service.

Reference:

<https://cloud.netapp.com/blog/azure-cvo-blg-azure-database-review-your-guide-for-database-assessment>

NEW QUESTION: 71

You have the following JSON document.

```

"customer" : {
  "first name" : "Ben",
  "last name" : "Smith",
  "address" : {
    "line 1" : "161 Azure Ln",
    "line 2" : "Palo Alto",
    "ZIP code" : "54762"
  },
  "social media": [
    {
      "service" : "twitter",
      "handle" : "@bensmith"
    },
    {
      "service" : "linkedin",
      "handle" : "bensmith"
    }
  ],
  "phone numbers": [
    {
      "type" : "mobile",
      "number" : "555-555-555"
    }
  ]
}

```

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the JSON document.

NOTE: Each correct selection is worth one point.

Microsoft
Customer is [answer choice].
Address is [answer choice].
Social media is [answer choice].

a nested array
a nested object
a root object

a nested array
a nested object
a root object

a nested array
a nested object
a root object

Answer:

Customer is [answer choice].
Address is [answer choice].
Social media is [answer choice].

a nested array
a nested object
a root object

a nested array
a nested object
a root object

a nested array
a nested object
a root object

Customer is [answer choice].

- a nested array
- a nested object
- a root object

Address is [answer choice].

- a nested array
- a nested object
- a root object

Social media is [answer choice].

- a nested array
- a nested object
- a root object

Reference:

https://www.w3schools.com/js/js_json_arrays.asp

https://www.w3schools.com/js/js_json_objects.asp

NEW QUESTION: 72

You have the following SQL query.

```
INSERT INTO dbo.Products (ProductID, ProductName, Price, ProductDescription)
VALUES (1, 'Clamp', 12.48, 'Workbench clamp');
```

NOTE: Each correct selection is worth one point.

Answer Area

Microsoft

Db.Products: A column
 A database
 A table
 An index

ProductName: A column
 A database
 A table
 An index

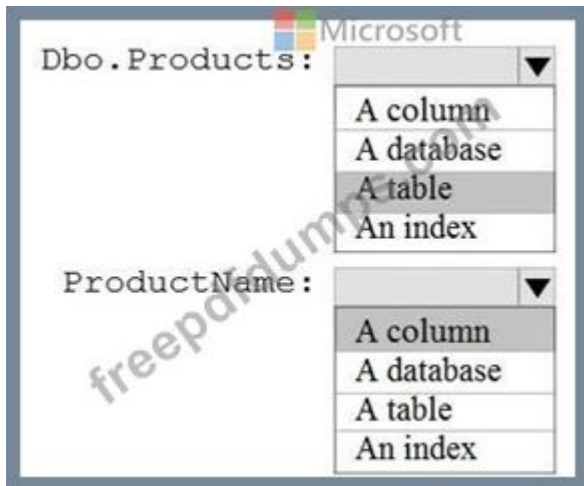
Answer:

Answer Area

Microsoft

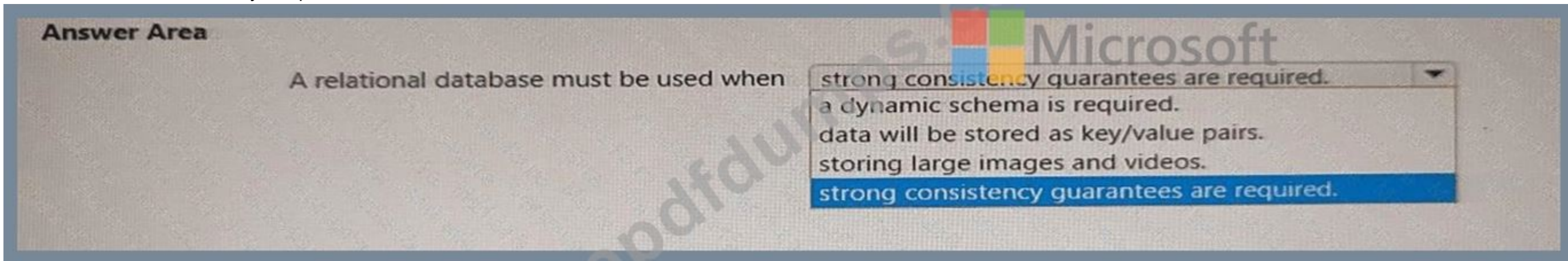
Db.Products: A column
 A database
 A table
 An index

ProductName: A column
 A database
 A table
 An index

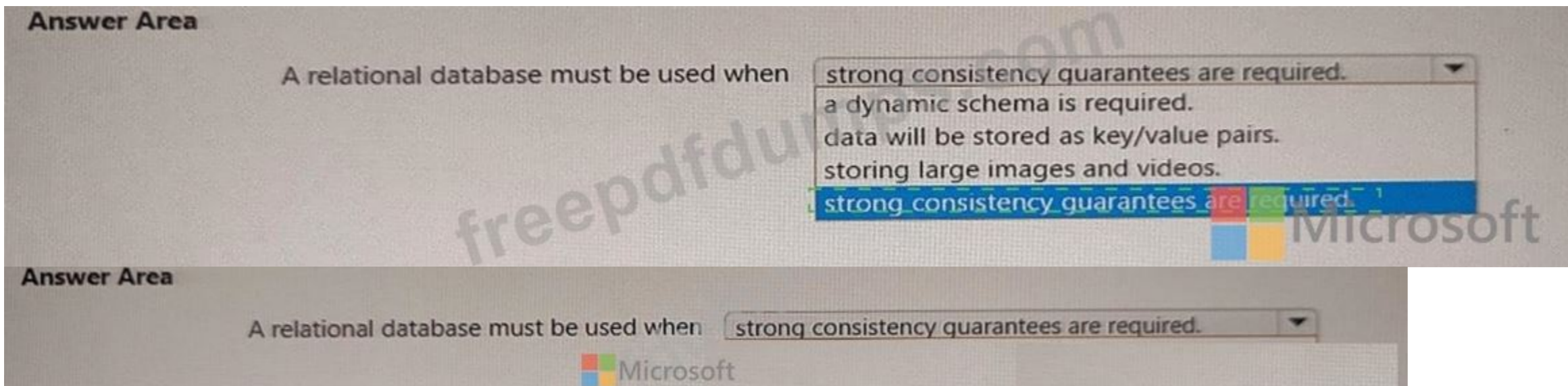


NEW QUESTION: 73

Select the answer that correctly completes the sentence.



Answer:



NEW QUESTION: 74

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statements	Yes	No
A job that processes sales data once daily is an example of a batch workload.	<input type="radio"/>	<input type="radio"/>
A job that calculates a rolling average temperature reading is an example of a streaming workload.	<input type="radio"/>	<input type="radio"/>
A job that calculates average revenue per product for the last month is an example of a streaming workload.	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
A job that processes sales data once daily is an example of a batch workload.	<input checked="" type="radio"/>	<input type="radio"/>
A job that calculates a rolling average temperature reading is an example of a streaming workload.	<input checked="" type="radio"/>	<input type="radio"/>
A job that calculates average revenue per product for the last month is an example of a streaming workload.	<input type="radio"/>	<input checked="" type="radio"/>

Explanation:

Box 1: Yes

Batch processing refers to processing of high volume of data in batch within a specific time span. It processes large volume of data all at once. Batch processing is used when data size is known and finite. It takes little longer time to processes data.

Box 2: Yes

Stream processing refers to processing of continuous stream of data immediately as it is produced. It analyzes streaming data in real time. Stream processing is used when the data size is unknown and infinite and continuous.

Box 3: No

Reference:

<https://www.geeksforgeeks.org/difference-between-batch-processing-and-stream-processing/>

NEW QUESTION: 75

Your company is designing a data store that will contain student data. The data has the following format.

StudentNumber	StudentInformation
7634634	First name: Ben Last: Smith Preferred Name: Benjamin
7634634	First Name: Dominik Last Name: Paiha Email Address: dpaiha@contoso.com MCP ID: 931817
7634636	First Name: Reshma Last Name: Patel Phone number: 514-555-1101
7634637	First Name: Yun-Feng Last Name: Peng

Which type of data store should you use?

- A. object
- B. columnar
- C. graph
- D. key/value

Answer: B (LEAVE A REPLY)

NEW QUESTION: 76

Your company is designing a data store for internet-connected temperature sensors. The collected data will be used to analyze temperature trends. Which type of data store should you use?

- A. relational
- B. columnar
- C. graph
- D. time series

Answer: (SHOW ANSWER)

Time series data is a set of values organized by time. Time series databases typically collect large amounts of data in real time from a large number of sources. Updates are rare, and deletes are often done as bulk operations. Although the records written to a time-series database are generally small, there are often a large number of records, and total data size can grow rapidly.

Reference:

<https://docs.microsoft.com/en-us/azure/architecture/guide/technology-choices/data-store-overview>

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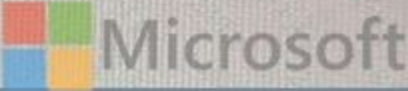
NEW QUESTION: 77

Select the answer that correctly completes the sentence.

Answer Area

is responsible for creating visuals and charts that help a company make informed decisions.

- A data engineer
- A data analyst
- A data engineer**
- A data scientist
- A database administrator




Answer:

Answer Area

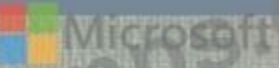
is responsible for creating visuals and charts that help a company make informed decisions.

- A data engineer
- A data analyst
- A data engineer**
- A data scientist
- A database administrator



Answer Area

is responsible for creating visuals and charts that help a company make informed decisions.




NEW QUESTION: 78

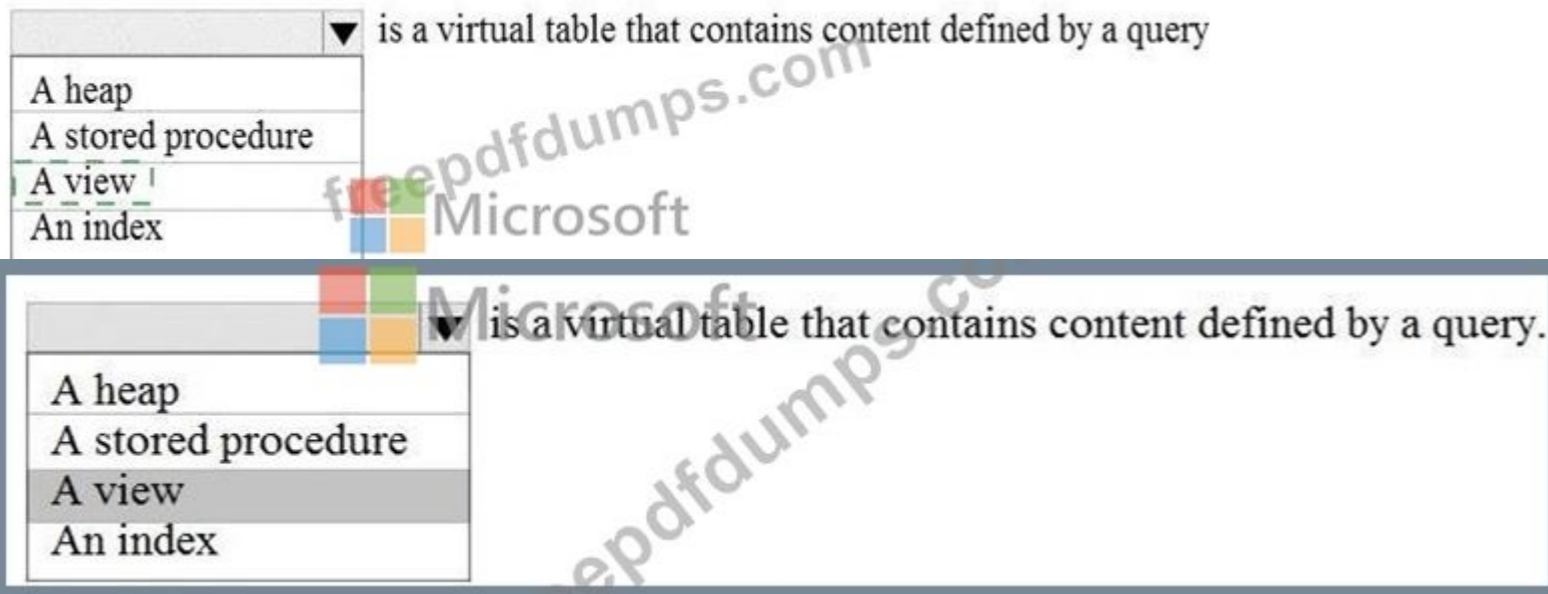
To complete the sentence, select the appropriate option in the answer area.

is a virtual table that contains content defined by a query.

- A heap
- A stored procedure
- A view**
- An index



Answer:



Reference:

<https://docs.microsoft.com/en-us/sql/relational-databases/views/views>

NEW QUESTION: 79

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statements	Yes	No
You must apply patches to Azure SQL databases regularly.	<input type="radio"/>	<input type="radio"/>
You need a Microsoft 365 subscription to create an Azure SQL database.	<input type="radio"/>	<input type="radio"/>
You can use existing Microsoft SQL Server licenses to reduce the cost of Azure SQL databases.	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
You must apply patches to Azure SQL databases regularly.	<input type="radio"/>	<input checked="" type="radio"/>
You need a Microsoft 365 subscription to create an Azure SQL database.	<input type="radio"/>	<input checked="" type="radio"/>
You can use existing Microsoft SQL Server licenses to reduce the cost of Azure SQL databases.	<input checked="" type="radio"/>	<input type="radio"/>

Statements	Yes	No
You must apply patches to Azure SQL databases regularly.	<input type="radio"/>	<input checked="" type="radio"/>
You need a Microsoft 365 subscription to create an Azure SQL database.	<input type="radio"/>	<input checked="" type="radio"/>
You can use existing Microsoft SQL Server licenses to reduce the cost of Azure SQL databases.	<input checked="" type="radio"/>	<input type="radio"/>

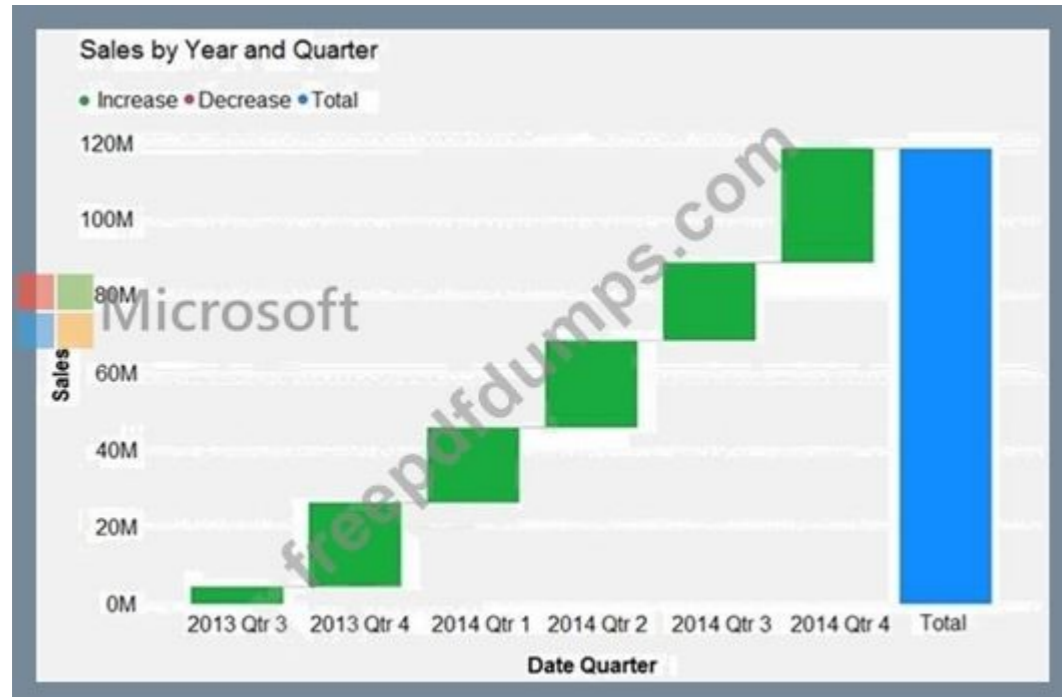
Reference:

<https://azure.microsoft.com/en-gb/blog/hot-patching-sql-server-engine-in-azure-sql-database/>

<https://azure.microsoft.com/en-us/services/sql-database/#product-overview>

NEW QUESTION: 80

You need to create a visualization of running sales totals per quarter as shown in the following exhibit.



What should you create in Power BI Desktop?

- A. a waterfall chart
- B. a ribbon chart
- C. a bar chart
- D. a decomposition tree

Answer: (SHOW ANSWER)

Reference:

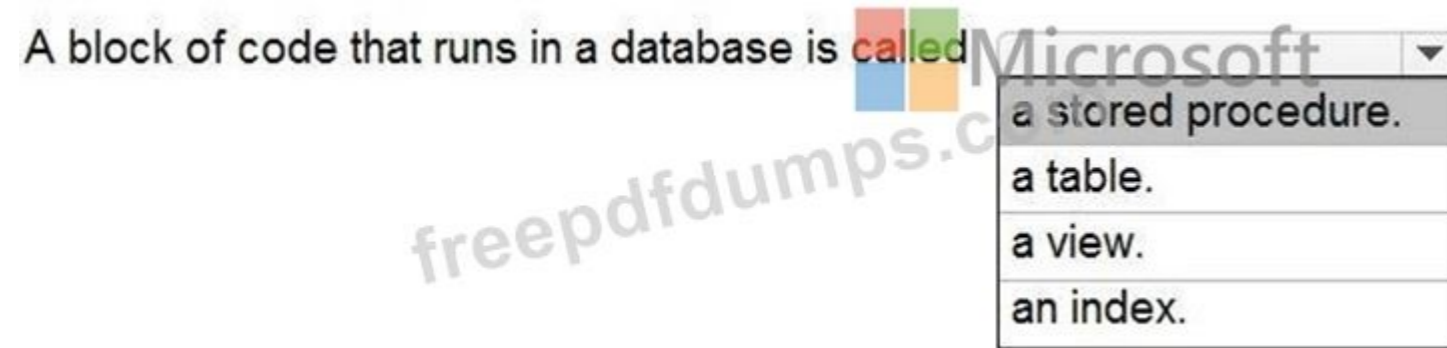
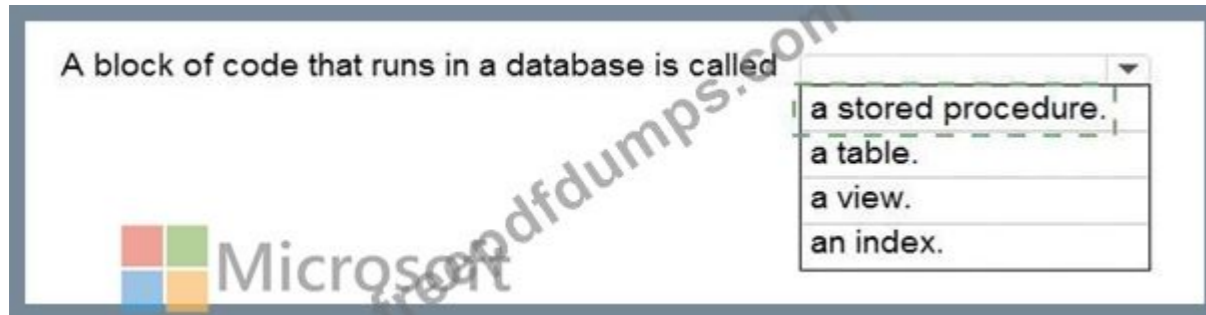
<https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-types-for-reports-and-q-and-a>

NEW QUESTION: 81

To complete the sentence, select the appropriate option in the answer area.



Answer:



Reference:

<https://docs.microsoft.com/en-us/sql/relational-databases/stored-procedures/stored-procedures-database-engine?view=sql-server-ver15>

NEW QUESTION: 82

What is a benefit of hosting a database on Azure SQL managed instance as compared to an Azure SQL database?

- A. native support for cross-database queries and transactions
- B. built-in high availability
- C. system-initiated automatic backups
- D. support for encryption at rest

Answer: [\(SHOW ANSWER\)](#)

Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/features-comparison>

NEW QUESTION: 83

To complement the sentence, select the appropriate option in the answer area.

Answer Area

The massively parallel processing (MPP) engine of Azure Synapse Analytics

distributes processing across compute nodes.
 distributes processing across control nodes.
 redirects client connections across compute nodes.
 redirects client connections across control nodes.



Answer:

Answer Area

The massively parallel processing (MPP) engine of Azure Synapse Analytics

distributes processing across compute nodes.
 distributes processing across control nodes.
 redirects client connections across compute nodes.
 redirects client connections across control nodes.



Answer Area

The massively parallel processing (MPP) engine of Azure Synapse Analytics

redirects client connections across compute nodes.



NEW QUESTION: 84

You have data saved in the following format:

```
<Person Age="23">
  <FirstName>John</FirstName>
  <LastName>Smith</LastName>
  <Hobbies>
    <Hobby Type="Sports">Golf</Hobby>
    <Hobby Type="Leisure">Reading</Hobby>
    <Hobby Type="Leisure">Guitar</Hobby>
  </Hobbies>
</Person>
```

Which format was used?

- A. JSON
- B. HTML
- C. YAML
- D. XML

Answer: C ([LEAVE A REPLY](#))

NEW QUESTION: 85

Match the tools to the appropriate descriptions.

To answer, drag the appropriate tool from the column on the left to its description on the right. Each tool may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Tools	Answer Area
Azure Data Studio	Tool: A graphical tool for managing Azure SQL databases and viewing SQL execution plans
Microsoft SQL Server Data Tools (SSDT)	Tool: A Microsoft SQL Server extension that supports connections to SQL Server and provides a rich editing experience for T-SQL
Microsoft SQL Server Management Studio (SSMS)	Tool: A lightweight editor that can run on-demand SQL queries and view and save results as text, JSON, or Microsoft Excel files
Microsoft Visual Studio Code	Tool: A development tool for building Azure SQL databases, Microsoft SQL Server relational databases, SQL Server Analysis Services (SSAS) data models, SQL Server Integration Services (SSIS) packages, and SQL Server Reporting Services (SSRS) reports

Answer:

Tools	Answer Area
Azure Data Studio	Microsoft SQL Server Management Studio (SSMS): A graphical tool for managing Azure SQL databases and viewing SQL execution plans
Microsoft SQL Server Data Tools (SSDT)	Microsoft Visual Studio Code: A Microsoft SQL Server extension that supports connections to SQL Server and provides a rich editing experience for T-SQL
Microsoft SQL Server Management Studio (SSMS)	Azure Data Studio: A lightweight editor that can run on-demand SQL queries and view and save results as text, JSON, or Microsoft Excel files
Microsoft Visual Studio Code	Microsoft SQL Server Data Tools (SSDT): A development tool for building Azure SQL databases, Microsoft SQL Server relational databases, SQL Server Analysis Services (SSAS) data models, SQL Server Integration Services (SSIS) packages, and SQL Server Reporting Services (SSRS) reports

Microsoft SQL Server Management Studio (SSMS)	A graphical tool for managing SQL Server or Azure SQL databases that supports access, configuration, management, and administration tasks.
Microsoft Visual Studio Code	A lightweight source code editor with an mssql extension that supports connections to SQL Server and a rich editing experience for T-SQL.
Azure Data Studio	A lightweight editor that can run on-demand SQL queries and view and save results as text, JSON, or Microsoft Excel files.
Microsoft SQL Server Data Tools (SSDT)	A development tool for building Azure SQL databases, Microsoft SQL Server relational databases, SQL Server Analysis Services (SSAS) data models, SQL Server Integration Services (SSIS) packages, and SQL Server Reporting Services (SSRS) reports.

NEW QUESTION: 86

To complete the sentence, select the appropriate option in the answer area.

_____ natively support the analysis of relationships between entities.

Column family databases
Document databases
Graph databases
Key-value stores

Answer:

Microsoft

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Column family databases
Document databases
Graph databases
Key-value stores

natively support the analysis of relationships between entities.

Microsoft

freepdfdumps.com

Column family databases
Document databases
Graph databases
Key-value stores

natively support the analysis of relationships between entities.

NEW QUESTION: 87

Select the answer that correctly completes the sentence.

Answer Area

In an analytical model, any point where the dimensions intersect represents

a cube.
a cube.
an aggregated dimension.
an aggregated measure.

Answer:

Microsoft

freepdfdumps.com

Answer Area

In an analytical model, any point where the dimensions intersect represents

a cube.
a cube.
an aggregated dimension.
an aggregated measure.

Microsoft

Answer Area

In an analytical model, any point where the dimensions intersect represents

a cube.

Microsoft

NEW QUESTION: 88

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Microsoft Statements	Yes	No
Azure Databricks is an Apache Spark-based collaborative analytics platform.	<input type="radio"/>	<input type="radio"/>
Azure Analysis Services is used for transactional workloads.	<input type="radio"/>	<input type="radio"/>
Azure Data Factory orchestrates data integration workflows.	<input type="radio"/>	<input type="radio"/>

Answer:

Microsoft Statements	Yes	No
Azure Databricks is an Apache Spark-based collaborative analytics platform.	<input checked="" type="radio"/>	<input type="radio"/>
Azure Analysis Services is used for transactional workloads.	<input type="radio"/>	<input checked="" type="radio"/>
Azure Data Factory orchestrates data integration workflows.	<input checked="" type="radio"/>	<input type="radio"/>

Microsoft Statements	Yes	No
Azure Databricks is an Apache Spark-based collaborative analytics platform.	<input type="radio"/>	<input type="radio"/>
Azure Analysis Services is used for transactional workloads.	<input type="radio"/>	<input type="radio"/>
Azure Data Factory orchestrates data integration workflows.	<input type="radio"/>	<input type="radio"/>

NEW QUESTION: 89

Match the ACID terms to the Appropriate descriptions.

To answer, drag the appropriate term from the column on the left to its description on the right Each term may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Terms

- Atomicity
- Consistency
- Isolation
- Durability

Answer Area



Microsoft

Concurrent transactions cannot interfere with one another and must result in a consistent database state.

Each transaction is treated as a single unit that succeeds completely or fails completely.

Transactions can only take the data in a database from one valid state to another.

When a transaction is committed, it will remain committed.

Answer:

Terms

- Atomicity
- Consistency
- Isolation
- Durability

Answer Area



Microsoft

Isolation

Concurrent transactions cannot interfere with one another and must result in a consistent database state.

Atomicity

Each transaction is treated as a single unit that succeeds completely or fails completely.

Consistency

Transactions can only take the data in a database from one valid state to another.

Durability

When a transaction is committed, it will remain committed.

- Terms**
- Atomicity
 - Consistency
 - Isolation
 - Durability

Answer Area

Microsoft

Isolation

Concurrent transactions cannot interfere with one another and must result in a consistent database state.

Atomicity

Each transaction is treated as a single unit that succeeds completely or fails completely.

Consistency

Transactions can only take the data in a database from one valid state to another.

Durability

When a transaction is committed, it will remain committed.

NEW QUESTION: 90

What should you use to automatically delete blobs from Azure Blob Storage?

- A. soft delete
- B. the change feed

- C. archive storage
 - D. a lifecycle management policy
- Answer: ([SHOW ANSWER](#))

NEW QUESTION: 91

Select the answer that correctly completes the sentence.

Answer Area

Azure Data Explorer uses to explore, filter, and aggregate data quickly.




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Answer:



Answer Area

Azure Data Explorer uses to explore, filter, and aggregate data quickly.



freepdfdumps.com


Answer Area

Azure Data Explorer uses to explore, filter, and aggregate data quickly.

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NEW QUESTION: 92


Select the answer that correctly completes the sentence.

A  is a chart of colored rectangles. The size of the rectangles represent

line chart
matrix
scatter
treemap

the relative value of each item. The chart can be hierarchical, displaying data as a set of rectangles nested within the main rectangle.

Answer:

A  is a chart of colored rectangles. The size of the rectangles represent

line chart
matrix
scatter
treemap

the relative value of each item. The chart can be hierarchical, displaying data as a set of rectangles nested within the main rectangle.

Explanation:

A  is a chart of colored rectangles. The size of the rectangles represent

line chart
matrix
scatter
treemap

the relative value of each item. The chart can be hierarchical, displaying data as a set of rectangles nested within the main rectangle.

A treemap chart divides the chart area into rectangles that represent the different levels and relative sizes of the data hierarchy.

Reference:

<https://docs.microsoft.com/en-us/sql/reporting-services/report-design/tree-map-and-sunburst-charts-in-reporting-services?view=sql-server-ver15>

NEW QUESTION: 93

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
Stream processing can process all the data in a dataset at once.	<input type="radio"/>	<input type="radio"/>
Batch processing occurs immediately, with latency in the order of seconds or milliseconds.	<input type="radio"/>	<input type="radio"/>
Stream processing is used for simple response functions, aggregates, or calculations, such as rolling averages.	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

Statements	Yes	No
Stream processing can process all the data in a dataset at once.	<input type="radio"/>	<input type="radio"/>
Batch processing occurs immediately, with latency in the order of seconds or milliseconds.	<input type="radio"/>	<input type="radio"/>
Stream processing is used for simple response functions, aggregates, or calculations, such as rolling averages.	<input type="radio"/>	<input type="radio"/>

Answer Area

Statements	Yes	No
Stream processing can process all the data in a dataset at once.	<input checked="" type="radio"/>	<input type="radio"/>
Batch processing occurs immediately, with latency in the order of seconds or milliseconds.	<input type="radio"/>	<input checked="" type="radio"/>
Stream processing is used for simple response functions, aggregates, or calculations, such as rolling averages.	<input type="radio"/>	<input checked="" type="radio"/>

NEW QUESTION: 94

Match the Azure services to the appropriate locations in the architecture.

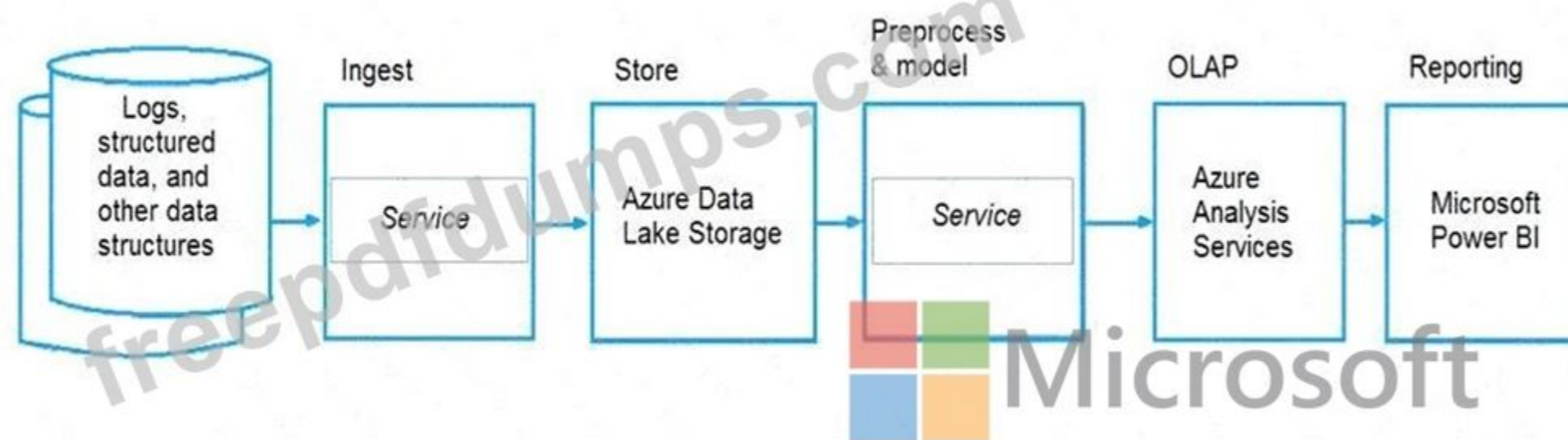
To answer, drag the appropriate service from the column on the left to its location on the right. Each service may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

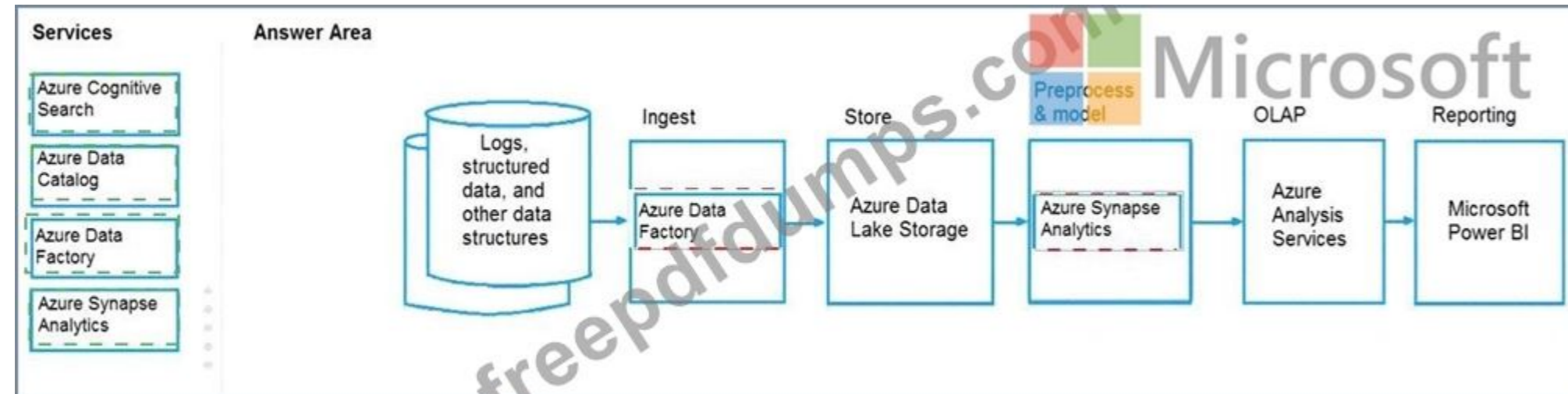
Services

- Azure Cognitive Search
- Azure Data Catalog
- Azure Data Factory
- Azure Synapse Analytics

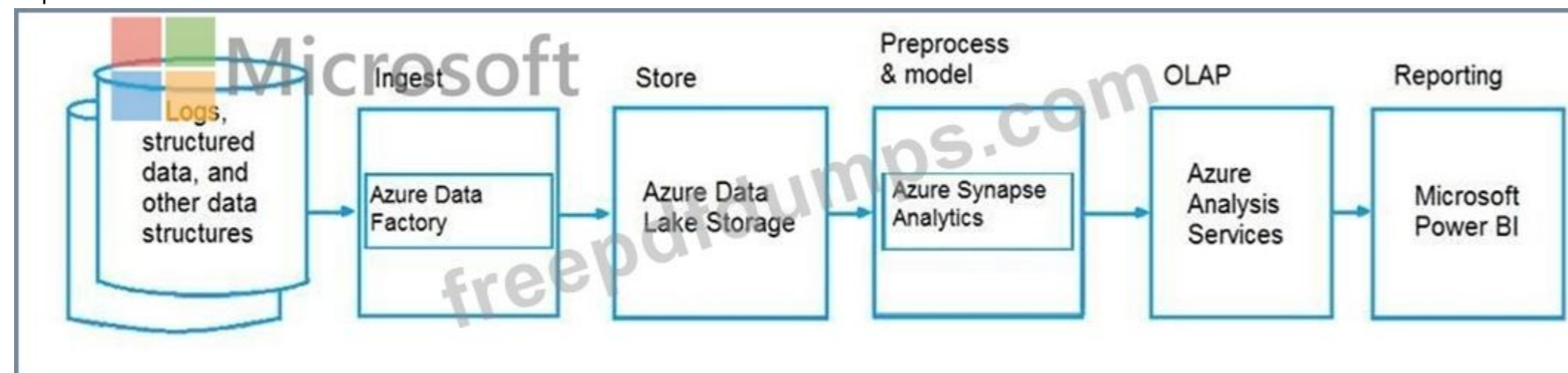
Answer Area



Answer:



Explanation:



Box Ingest: Azure Data Factory

You can build a data ingestion pipeline with Azure Data Factory (ADF).

Box Preprocess & model: Azure Synapse Analytics

Use Azure Synapse Analytics to preprocess data and deploy machine learning models.

Reference:

<https://docs.microsoft.com/en-us/azure/machine-learning/how-to-data-ingest-adf>

<https://docs.microsoft.com/en-us/azure/machine-learning/team-data-science-process/sqldw-walkthrough>

NEW QUESTION: 95

You have a quality assurance application that reads data from a data warehouse.

Which type of processing does the application use?

A. Online Transaction Processing (OLTP)

B. batch processing

C. Online Analytical Processing (OLAP)

D. stream processing

Answer: A (LEAVE A REPLY)

OLTP is designed to serve as a persistent data store for business or front-end applications. OLTP administers day to day transaction of an organization.

Reference:

<https://sqlwizard.blog/2020/03/15/sql-server-oltp-vs-olap/>

NEW QUESTION: 96

Select the answer that correctly completes the sentence.

Answer Area

In Microsoft Power BI, a is a collection of visualizations that appear together on one or more pages.

- dashboard
- dataset
- report
- tile

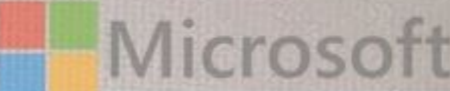


Answer:

Answer Area

In Microsoft Power BI, a is a collection of visualizations that appear together on one or more pages.

- dashboard
- dataset
- report
- tile



Answer Area

In Microsoft Power BI, a is a collection of visualizations that appear together on one or more pages.



NEW QUESTION: 97

Which three objects can be added to a Microsoft Power BI dashboard? Each correct answer presents a complete solution. (Choose three.) NOTE: Each correct selection is worth one point.

A. a report page

- B. a Microsoft PowerPoint slide
- C. a visualization from a report
- D. a dataflow
- E. a text box

Answer: (SHOW ANSWER)

Reference:

<https://docs.microsoft.com/en-us/power-bi/consumer/end-user-dashboards>

<https://docs.microsoft.com/en-us/power-bi/create-reports/service-dashboard-add-widget>

NEW QUESTION: 98

To complete the sentence, select the appropriate option in the answer area.

Answer Area

A relational database is appropriate for scenarios that involve a high volume of

- changes to relationships between entities.
- geographically distributed writes.
- transactional writes.
- writes that have varying data structures.

Answer:

Answer Area

A relational database is appropriate for scenarios that involve a high volume of

- changes to relationships between entities.
- geographically distributed writes.
- transactional writes.
- writes that have varying data structures.

Explanation:

A relational database is appropriate for scenarios that involve a high volume of

- changes to relationships between entities
- geographically distributed writes
- transactional writes
- writes that have varying data structures

Disadvantages of non-relational databases include: Data Consistency - non-relational databases do not perform ACID transactions.

Note: Relational databases are optimized for writes. They are optimized for consistency and availability.

Advantages of relational databases include simplicity, ease of data retrieval, data integrity, and flexibility.

Reference:

<https://towardsdatascience.com/choosing-the-right-database-c45cd3a28f77>

NEW QUESTION: 99

Match the Azure Data Lake Storage terms to the appropriate levels in the hierarchy.

To answer, drag the appropriate term from the column on the left to its level on the right. Each term may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Azure Storage account	File share	Level
File system		Level

Answer:



Explanation:



Box 1: Azure Storage account

Azure file shares are deployed into storage accounts, which are top-level objects that represent a shared pool of storage.

Box 2: File share

Reference:

<https://docs.microsoft.com/en-us/azure/storage/files/storage-how-to-create-file-share>

NEW QUESTION: 100

Select the answer that correctly completes the sentence.

Answer Area

A data analyst is responsible for finding hidden patterns in data and creating graphical reports that deliver information in a useful and appealing format.

- A data analyst
- A data engineer
- A database administrator

Answer:

Answer Area

A data analyst
A data analyst
A data engineer
A database administrator

is responsible for finding hidden patterns in data and creating graphical reports that deliver information in a useful and appealing format.

Answer Area

A data analyst

is responsible for finding hidden patterns in data and creating graphical reports that deliver information in a useful and appealing format.

NEW QUESTION: 101

Your company is designing a database that will contain session data for a website. The data will include notifications, personalization attributes, and products that are added to a shopping cart. Which type of data store will provide the lowest latency to retrieve the data?

- A. key/value
- B. graph
- C. columnar
- D. document

Answer: C (LEAVE A REPLY)

Reference:

<https://docs.microsoft.com/en-us/azure/architecture/data-guide/technology-choices/analytical-data-stores>

NEW QUESTION: 102

Which service can be used to build extract, transform, and load (ETL) pipelines?

- A. Azure Pipelines
- B. Azure SQL Database
- C. Azure Databricks
- D. Azure Data Factory
- E. Azure Cosmos DB

Answer: D (LEAVE A REPLY)

NEW QUESTION: 103

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statements	Yes	No
Azure Databricks can consume data from Azure SQL Database	<input checked="" type="radio"/>	<input type="radio"/>
Azure Databricks can consume data from Azure Event Hubs	<input type="radio"/>	<input type="radio"/>
Azure Databricks can consume data from Azure Cosmos DB	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
Azure Databricks can consume data from Azure SQL Database	<input type="radio"/>	<input type="radio"/>
Azure Databricks can consume data from Azure Event Hubs	<input checked="" type="radio"/>	<input type="radio"/>
Azure Databricks can consume data from Azure Cosmos DB	<input type="radio"/>	<input type="radio"/>

Explanation:

Statements	Yes	No
Azure Databricks can consume data from Azure SQL Database	<input type="radio"/>	<input type="radio"/>
Azure Databricks can consume data from Azure Event Hubs	<input checked="" type="radio"/>	<input type="radio"/>
Azure Databricks can consume data from Azure Cosmos DB	<input type="radio"/>	<input type="radio"/>

Box 1: Yes

Azure Databricks can consume data from SQL Databases using JDBC and from SQL Databases using the Apache Spark connector.

The Apache Spark connector for Azure SQL Database and SQL Server enables these databases to act as input data sources and output data sinks for Apache Spark jobs.

Box 2: Yes

You can stream data into Azure Databricks using Event Hubs.

Box 3: Yes

You can run Spark jobs with data stored in Azure Cosmos DB using the Cosmos DB Spark connector.

Cosmos can be used for batch and stream processing, and as a serving layer for low latency access.

You can use the connector with Azure Databricks or Azure HDInsight, which provide managed Spark clusters on Azure.

Reference:

<https://docs.microsoft.com/en-us/azure/databricks/data/data-sources/sql-databases-azure>

<https://docs.microsoft.com/en-us/azure/databricks/scenarios/databricks-stream-from-eventhubs>

NEW QUESTION: 104

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statements	Yes	No
The Azure Cosmos DB API is configured separately for each database in an Azure Cosmos DB account.	<input type="radio"/>	<input type="radio"/>
Partition keys are used in Azure Cosmos DB to optimize queries.	<input type="radio"/>	<input type="radio"/>
Items contained in the same Azure Cosmos DB logical partition can have different partition keys.	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
The Azure Cosmos DB API is configured separately for each database in an Azure Cosmos DB account.	<input type="radio"/>	<input checked="" type="radio"/>
Partition keys are used in Azure Cosmos DB to optimize queries.	<input checked="" type="radio"/>	<input type="radio"/>
Items contained in the same Azure Cosmos DB logical partition can have different partition keys.	<input type="radio"/>	<input checked="" type="radio"/>

Explanation:

Statements	Yes	No
The Azure Cosmos DB API is configured separately for each database in an Azure Cosmos DB account.	<input type="radio"/>	<input checked="" type="radio"/>
Partition keys are used in Azure Cosmos DB to optimize queries.	<input checked="" type="radio"/>	<input type="radio"/>
Items contained in the same Azure Cosmos DB logical partition can have different partition keys.	<input type="radio"/>	<input checked="" type="radio"/>

Box 1: No

The API determines the type of account to create. Azure Cosmos DB provides five APIs: Core (SQL) and MongoDB for document data, Gremlin for graph data, Azure Table, and Cassandra. Currently, you must create a separate account for each API.

Box 2: Yes

Azure Cosmos DB uses partitioning to scale individual containers in a database to meet the performance needs of your application. In partitioning, the items in a container are divided into distinct subsets called logical partitions. Logical partitions are formed based on the value of a partition key that is associated with each item in a container.

Box 3: No

Logical partitions are formed based on the value of a partition key that is associated with each item in a container.

Reference:

<https://docs.microsoft.com/en-us/azure/cosmos-db/partitioning-overview>

NEW QUESTION: 105

You have an Azure Cosmos DB account that uses the Core (SQL) API.

Which two settings can you configure at the container level? Each correct answer presents a complete solution. (Choose two.) NOTE: Each correct selection is worth one point.

- A. the throughput
- B. the read region
- C. the partition key
- D. the API

Answer: A,C ([LEAVE A REPLY](#))

Reference:

<https://www.sqlshack.com/start-your-journey-with-azure-cosmos-db/>

NEW QUESTION: 106

Match the types of data stores to the appropriate scenarios.

To answer, drag the appropriate data store type from the column on the left to its scenario on the right. Each data store type may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

The screenshot shows a Microsoft exam question interface. On the left, under 'Data Store Types', there are three buttons: 'Graph', 'Object', and 'Key/value'. On the right, under 'Answer Area', there are three empty input boxes corresponding to the following scenarios: 'Application users and their default language', 'Medical images and their associated metadata', and 'Employee data that shows the relationships between employees'. The Microsoft logo is visible in the top right corner of the interface.

Answer:

Data Store Types

- Graph
- Object
- Key/value

Answer Area

- Key/value Application users and their default language
- Object Medical images and their associated metadata
- Graph Employee data that shows the relationships between employees

Key/value	Application users and their default language
Object	Medical images and their associated metadata
Graph	Employee data that shows the relationships between employees

Reference:

<https://docs.microsoft.com/en-us/azure/architecture/guide/technology-choices/data-store-overview>

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NEW QUESTION: 107

For each of the following statements, select yes if the statement is true, Otherwise, select No.

Note: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
Batch processing can output data to a file store.	<input type="radio"/>	<input type="radio"/>
Batch processing can output data to a relational database.	<input type="radio"/>	<input type="radio"/>
Batch processing can output data to a NoSQL database.	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

Statements	Yes	No
Batch processing can output data to a file store.	<input checked="" type="radio"/>	<input type="radio"/>
Batch processing can output data to a relational database.	<input checked="" type="radio"/>	<input type="radio"/>
Batch processing can output data to a NoSQL database.	<input type="radio"/>	<input checked="" type="radio"/>

Answer Area

Statements	Yes	No
Batch processing can output data to a file store.	<input checked="" type="radio"/>	<input type="radio"/>
Batch processing can output data to a relational database.	<input checked="" type="radio"/>	<input type="radio"/>
Batch processing can output data to a NoSQL database.	<input type="radio"/>	<input checked="" type="radio"/>

NEW QUESTION: 108

Select the answer that correctly completes the sentence.

Answer Area

Azure Databricks combines a scalable, high-performance Microsoft SQL Server-based relational data warehouse with the flexibility of a data lake and open-source Apache Spark.

Azure Databricks
Azure HDInsight
Azure Stream Analytics
Azure Synapse Analytics

Answer:

Answer Area

Azure Databricks combines a scalable, high-performance Microsoft SQL Server-based relational data warehouse with the flexibility of a data lake and open-source Apache Spark.

Azure Databricks
Azure HDInsight
Azure Stream Analytics
Azure Synapse Analytics

Answer Area

Azure Databricks combines a scalable, high-performance Microsoft SQL Server-based relational data warehouse with the flexibility of a data lake and open-source Apache Spark.

NEW QUESTION: 109

Match the types of activities to the appropriate Azure Data Factory activities.

To answer, drag the appropriate activity type from the column on the left to its Data Factory activity on the right. Each activity type may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

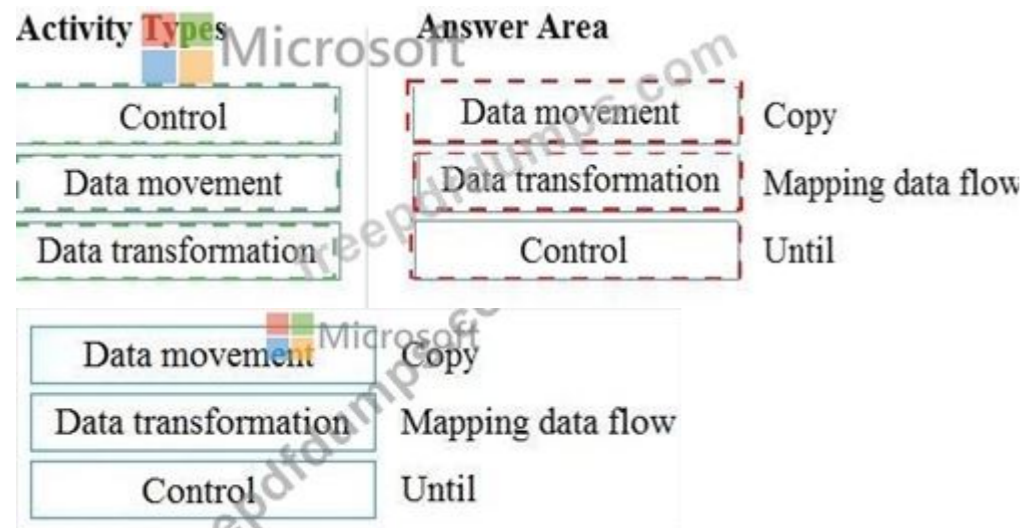
Activity Types

Control
Data movement
Data transformation

Answer Area

Copy
Mapping data flow
Until

Answer:



Reference:

<https://docs.microsoft.com/en-us/azure/data-factory/concepts-pipelines-activities#data-transformation-activities>

NEW QUESTION: 110

To complete the sentence, select the appropriate option in the answer area.

In a data warehousing workload, data

- from a single source is distributed to multiple locations
- from multiple sources is combined in a single location
- is added to a queue for multiple systems to process
- is used to train machine learning models

Answer:

In a data warehousing workload, data

- from a single source is distributed to multiple locations
- from multiple sources is combined in a single location
- is added to a queue for multiple systems to process
- is used to train machine learning models

Explanation:

In a data warehousing workload, data

- from a single source is distributed to multiple locations
- from multiple sources is combined in a single location
- is added to a queue for multiple systems to process
- is used to train machine learning models

Note: The data warehouse workload encompasses:

- * The entire process of loading data into the warehouse
- * Performing data warehouse analysis and reporting

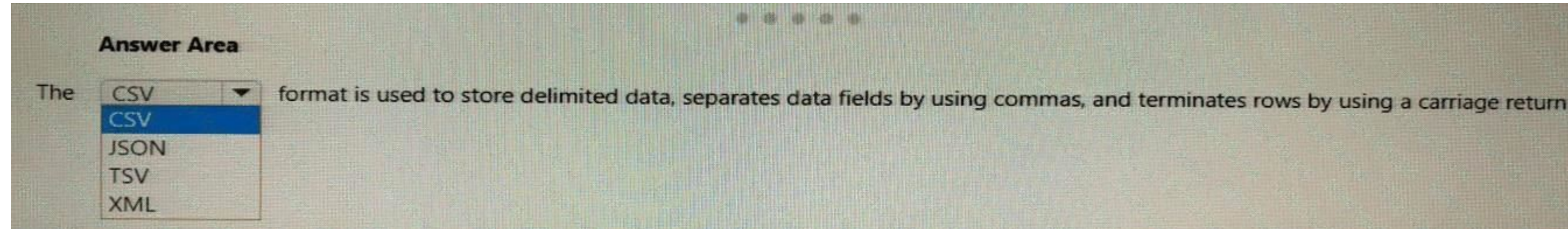
- * Managing data in the data warehouse
- * Exporting data from the data warehouse

Reference:

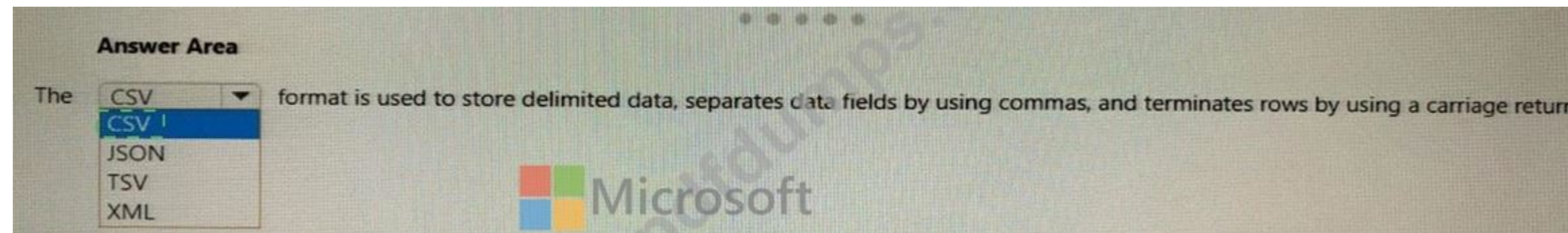
<https://docs.microsoft.com/en-us/azure/synapse-analytics/sql-data-warehouse/sql-data-warehouse-workload-management>

NEW QUESTION: 111

Select the answer that correctly completes the sentence.



Answer:



Explanation:

CSV

* CSV (Comma-separated values): This is a text file format that uses commas (,) as column delimiters and carriage returns (\r\n) as row delimiters. CSV files are widely used for exchanging data between different applications and platforms¹²³.

NEW QUESTION: 112

Which command-line tool can you use to query Azure SQL databases?

- A. sqlcmd
- B. bcp
- C. azdata
- D. Azure CLI

Answer: A ([LEAVE A REPLY](#))

Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/az-cli-script-samples-content-guide?tabs=singledatabase>

NEW QUESTION: 113

Select the answer that correctly completes the sentence.

Answer Area

In a relational database, the uniquely identifies each row in a table.

- primary key
- foreign key
- primary key
- WHERE clause
- nonclustered index

Answer:

Answer Area

In a relational database, the uniquely identifies each row in a table.

- primary key
- foreign key
- primary key
- WHERE clause
- nonclustered index

Answer Area

In a relational database, the uniquely identifies each row in a table.

Microsoft

NEW QUESTION: 114

Which statement is an example of Data Manipulation Language (DML).

- A. INSERT
- B. DISABLE
- C. ALTER
- D. DROP

Answer: A ([LEAVE A REPLY](#))

Data Manipulation Language (DML) statements:

- DELETE
- INSERT
- UPDATE

Reference:

<https://docs.microsoft.com/en-us/azure/synapse-analytics/sql-data-warehouse/sql-data-warehouse-reference-tsql-statements>

NEW QUESTION: 115

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statements	Yes	No
Azure Table storage supports multiple read replicas.	<input type="radio"/>	<input type="radio"/>
Azure Table storage supports multiple write regions.	<input type="radio"/>	<input type="radio"/>
The Azure Cosmos DB Table API supports multiple read replicas.	<input type="radio"/>	<input type="radio"/>
The Azure Cosmos DB Table API supports multiple write regions.	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
Azure Table storage supports multiple read replicas.	<input checked="" type="radio"/>	<input type="radio"/>
Azure Table storage supports multiple write regions.	<input type="radio"/>	<input checked="" type="radio"/>
The Azure Cosmos DB Table API supports multiple read replicas.	<input checked="" type="radio"/>	<input type="radio"/>
The Azure Cosmos DB Table API supports multiple write regions.	<input type="radio"/>	<input type="radio"/>

Statements	Yes	No
Azure Table storage supports multiple read replicas.	<input type="radio"/>	<input type="radio"/>
Azure Table storage supports multiple write regions.	<input type="radio"/>	<input type="radio"/>
The Azure Cosmos DB Table API supports multiple read replicas.	<input type="radio"/>	<input type="radio"/>
The Azure Cosmos DB Table API supports multiple write regions.	<input type="radio"/>	<input type="radio"/>

Reference:

<https://docs.microsoft.com/en-us/azure/cosmos-db/high-availability>

NEW QUESTION: 116

Which three actions are used when performing diagnostic analytics?

A. * Identify data anomalies

* Predict when anomalies are likely to recur

* Use analytical tools such as decision trees and regression.

B. * Apply self-learning loops to draw inferences from anomalies.

- * Predict when anomalies are likely to recur
- * Use analytical tools such as decision trees and regression.
- C.** * Identify data anomalies
- * Collect anomaly-related data
- * Discover relationships and trends that explain anomalies.
- D.** * Identify data anomalies
- * Use machine learning to find patterns in large datasets.
- * Discover relationships and trends that explain anomalies.

Answer: C (LEAVE A REPLY)

NEW QUESTION: 117

When you create an Azure SQL database, which account can always connect to the database ?

- A.** the Azure Active directory/ (Azure AD) account that created the database
- B.** the Azure Active Directory (Azure AD) administrator account
- C.** the sa account
- D.** the server admin login account of the logical server

Answer: D (LEAVE A REPLY)

When you first deploy Azure SQL, you specify an admin login and an associated password for that login. This administrative account is called Server admin.

Reference:

<https://docs.microsoft.com/en-us/azure/azure-sql/database/single-database-create-quickstart>

NEW QUESTION: 118

Select the answer that correctly completes the sentence.

Answer Area

Online analytical processing (OLAP) systems are particularly suitable for analytical workloads because data is

- optimized for transactions.
- limited in size.
- optimized for transactions.**
- pre-aggregated.
- read-only.

Answer:

Answer Area

Online analytical processing (OLAP) systems are particularly suitable for analytical workloads because data is

- optimized for transactions.
- limited in size.
- optimized for transactions.**
- pre-aggregated.
- read-only.

Answer Area



Online analytical processing (OLAP) systems are particularly suitable for analytical workloads because data is ▼

NEW QUESTION: 119

You need to design and model a database by using a graphical tool that supports project-oriented offline database development.

What should you use?

- A. Microsoft SQL Server Data Tools (SSDT)
- B. Microsoft SQL Server Management Studio (SSMS)
- C. Azure Databricks
- D. Azure Data Studio

Answer: A (LEAVE A REPLY)

Reference:

<https://docs.microsoft.com/en-us/sql/ssdt/project-oriented-offline-database-development?view=sql-serverver15>

NEW QUESTION: 120

You need to recommend a data store service that meets the following requirements:

Native SQL API access

Configurable indexes

What should you recommend?

- A. Azure Files
- B. Azure Blob storage
- C. Azure Table storage
- D. Azure Cosmos DB

Answer: D (LEAVE A REPLY)

Azure Cosmos DB comes with native Core (SQL) API support.

In Azure Cosmos DB, data is indexed following indexing policies that are defined for each container. The default indexing policy for newly created containers enforces range indexes for any string or number. This policy can be overridden with your own custom indexing policy.

Reference:

<https://docs.microsoft.com/en-us/azure/cosmos-db/sql/how-to-manage-indexing-policy>

NEW QUESTION: 121

You have a SQL pool in Azure Synapse Analytics that is only used actively every night for eight hours.

You need to minimize the cost of the SQL pool during idle times. The solution must ensure that the data remains intact.

What should you do on the SQL pool?

- A. Scale down the data warehouse units (DWUs).
- B. Pause the pool.

- C. Create a user-defined restore point.
- D. Delete the pool

Answer: B (LEAVE A REPLY)

Reference:

<https://docs.microsoft.com/en-us/azure/synapse-analytics/sql-data-warehouse/sql-data-warehouse-managecompute-overview>

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NEW QUESTION: 122

You have an Azure SQL database that contains tables for customers and orders. You need to create a query that will return the orders placed by each customer.

Which two Transact-SQL statements should you include in the query? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. JOIN
- B. INDEX
- C. EXISTS
- D. SLLLCT
- E. ORDERBY

Answer: (SHOW ANSWER)

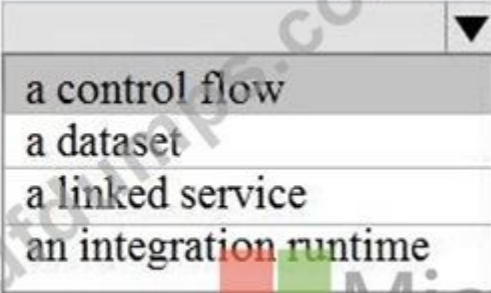
NEW QUESTION: 123

To complete the sentence, select the appropriate option in the answer area.

In Azure Data Factory, you can use to orchestrate pipeline activities that depend on the output of other pipeline activities.

Answer:

In Azure Data Factory, you can use to orchestrate pipeline activities that depend on the output of other pipeline activities.

In Azure Data Factory, you can use  to orchestrate pipeline activities that depend on the output of other pipeline activities.

Reference:

[https:// docs.micros oft.com/en-us/azure/data-factory/frequently-asked-questions](https://docs.microsoft.com/en-us/azure/data-factory/frequently-asked-questions)

NEW QUESTION: 124

Select the answer that correctly completes the sentence.

Answer:

JSON

JSON (JavaScript Object Notation): This is a text file format that uses a human-readable and compact syntax to represent data as a collection of name-value pairs and arrays. JSON files can express complex and nested data structures by using objects and arrays as values 1 2 3 .

NEW QUESTION: 125

Which file format has defined names and data types for each column and uses compressed columnar storage?

- A. CSV
- B. HTML
- C. Apache Parquet
- D. JSON

Answer: C (LEAVE A REPLY)

NEW QUESTION: 126

Which Azure Data Factory component provides the compute environment for activities?

- A. a linked service
- B. an integration runtime
- C. a control flow
- D. a pipeline

Answer: (SHOW ANSWER)

The Integration Runtime (IR) is the compute infrastructure used by Azure Data Factory to provide the following data integration capabilities across different network environments:

- Data Flow
- Data movement
- Activity dispatch
- SSIS package execution

Reference:

<https://docs.microsoft.com/en-us/azure/data-factory/concepts-integration-runtime>

NEW QUESTION: 127

What can you use to create data ingestion pipelines?

- A. Azure Cosmos DB
- B. Azure Data Factory
- C. Azure HDInsight
- D. Azure SQL Database

Answer: B ([LEAVE A REPLY](#))

NEW QUESTION: 128

Which statement is an example of Data Manipulation Language (DML)?

- A. REVOKE
- B. DISABLE
- C. CREATE
- D. UPDATE

Answer: ([SHOW ANSWER](#))

Data Manipulation Language (DML) affect the information stored in the database. Use these statements to insert, update, and change the rows in the database.

BULK INSERT

DELETE

INSERT

SELECT

UPDATE

MERGE

Reference:

<https://docs.microsoft.com/en-us/sql/t-sql/statements/statements>

NEW QUESTION: 129

Which three actions are used when performing diagnostic analytics?

A. * Identify data anomalies

* Use machine learning to find patterns in large datasets.

* Discover relationships and trends that explain anomalies.

B. * Identify data anomalies

* Predict when anomalies are likely to recur

* Use analytical tools such as decision trees and regression.

C. * Apply self-learning loops to draw inferences from anomalies.

* Predict when anomalies are likely to recur

* Use analytical tools such as decision trees and regression.

D. * Identify data anomalies

* Collect anomaly-related data

* Discover relationships and trends that explain anomalies.

Answer: D ([LEAVE A REPLY](#))

NEW QUESTION: 130

Which Azure storage solution provides native support for POSIX-compliant access control lists (ACLs)?

- A. Azure Queue storage
- B. Azure Data Lake Storage
- C. Azure table storage
- D. Azure Files

Answer: ([SHOW ANSWER](#))

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/data-lake-storage-access-control>

NEW QUESTION: 131

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statements	Yes	No
Extract, transform, and load (ETL) can reduce the transfer of sensitive data to destination systems.	<input type="radio"/>	<input type="radio"/>
Extract, load, and transform (ELT) transforms data by using a compute resource independent of the source system and destination system.	<input type="radio"/>	<input type="radio"/>
Extract, load, and transform (ELT) minimizes the time it takes to copy large volumes of data to destination systems.	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
Extract, transform, and load (ETL) can reduce the transfer of sensitive data to destination systems.	<input type="radio"/>	<input checked="" type="radio"/>
Extract, load, and transform (ELT) transforms data by using a compute resource independent of the source system and destination system.	<input checked="" type="radio"/>	<input type="radio"/>
Extract, load, and transform (ELT) minimizes the time it takes to copy large volumes of data to destination systems.	<input type="radio"/>	<input checked="" type="radio"/>

Statements	Yes	No
Extract, transform, and load (ETL) can reduce the transfer of sensitive data to destination systems.	<input type="radio"/>	<input checked="" type="radio"/>
Extract, load, and transform (ELT) transforms data by using a compute resource independent of the source system and destination system.	<input checked="" type="radio"/>	<input type="radio"/>
Extract, load, and transform (ELT) minimizes the time it takes to copy large volumes of data to destination systems.	<input type="radio"/>	<input checked="" type="radio"/>

Reference:

<https://docs.microsoft.com/en-us/azure/architecture/data-guide/relational-data/etl>

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