



**Microsoft**

**Exam Questions DP-900**

Microsoft Azure Data Fundamentals

NEW QUESTION 1

What should you use to build a Microsoft Power BI paginated report?

- A. Power BI report Builder
- B. Power BI Desktop
- C. Charticulator
- D. the Power BI service

Answer: A

Explanation:

Power BI Report Builder is the standalone tool for authoring paginated reports for the Power BI service. <https://docs.microsoft.com/en-us/power-bi/paginated-reports/paginated-reports-quickstart-aw>

NEW QUESTION 2

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

Creating closed caption text for audio files is an example of

▼

cognitive

descriptive

predictive

prescriptive

analytics.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Text Description automatically generated with low confidence  
Descriptive, to answer the question: What's happening? Company name Description automatically generated



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 files in a batch.

NEW QUESTION 3

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

▼

cognitive

descriptive

predictive

prescriptive

analytics.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Text, table Description automatically generated  
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? Company name Description automatically generated



NEW QUESTION 4

Select the answer that correctly completes the sentence.

- A. Mastered

B. Not Mastered

Answer: A

Explanation:

Answer Area

In batch processing,

delay in delivering data processing results is acceptable.

NEW QUESTION 5

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 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"/>

- A. Mastered

B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application, email Description automatically generated

NEW QUESTION 6

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

In Azure Data Factory, you can use 

a control flow

a dataset

a linked service

an integration runtime

 to orchestrate pipeline activities that depend on the output of other pipeline activities.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

In Azure Data Factory, you can use 

a control flow

a dataset

a linked service

an integration runtime

 to orchestrate pipeline activities that depend on the output of other pipeline activities.

NEW QUESTION 7

Select the answer that correctly completes the sentence.

Answer Area

Column family databases

Column family databases

Document databases

Graph databases

Key-value stores

 natively support the analysis of relationships between entities.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Column family databases

Column family databases

Document databases

Graph databases

Key-value stores

 natively support the analysis of relationships between entities.

NEW QUESTION 8

Select the answer that correctly completes the sentence.

Answer Area

Backing up and restoring data are the responsibilities of a 

data engineer.

data analyst.

data engineer.

data scientist.

database administrator.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

Backing up and restoring data are the responsibilities of a

data engineer.

data analyst.

data engineer.

data scientist.

database administrator.

#### NEW QUESTION 9

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:** B

**Explanation:**

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

#### NEW QUESTION 10

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

cognitive

descriptive

predictive

prescriptive

analytics.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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?

#### NEW QUESTION 10

Which three actions are used when performing diagnostic analytics?

- A. • Identify data anomalies• Collect anomaly-related data• 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• Use machine learning to find patterns in large datasets.• Discover relationships and trends that explain anomalies.

**Answer:** A

#### NEW QUESTION 12

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:** AB

**Explanation:**

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.

**NEW QUESTION 15**

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.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Graphical user interface, text, application Description automatically generated

**NEW QUESTION 16**

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

Transparent Data Encryption (TDE) encrypts

a column to protect data at rest and in transit.

queries and their results in order to protect data in transit.

the database to protect data at rest.

the server to protect data at rest.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Transparent Data Encryption (TDE) encrypts

a column to protect data at rest and in transit.

queries and their results in order to protect data in transit.

the database to protect data at rest.

the server to protect data at rest.

**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
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"/>

- A. Mastered  
 B. Not Mastered

Answer: A

Explanation:

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 checked="" type="radio"/>	<input type="radio"/>

#### NEW QUESTION 22

Select the answer that correctly completes the sentence.

- A. Mastered  
 B. Not Mastered

Answer: A

Explanation:

Answer Area

An elastic pool enables multiple Azure SQL databases to share resources such as memory, data storage space, and processing power.

#### NEW QUESTION 26

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.

- A. Mastered  
 B. Not Mastered

Answer: A

Explanation:

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.

NEW QUESTION 27

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 32

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
	Normalizing a database increases the throughput of writing transactions.	<input type="radio"/>	<input type="radio"/>
	Analytics systems are more normalized than transactional systems.	<input type="radio"/>	<input type="radio"/>
	Normalizing a database results in queries that require more joins.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

YES, NO, YES Normalizing decreases throughput for reading (need to make joins), but increases for writing (Less to write, since there are no duplicates)

NEW QUESTION 37

Select the answer that correctly completes the sentence.

Answer Area

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



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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

NEW QUESTION 40

Which database transaction property ensures that individual transactions are executed only once and either succeed in their entirety or roll back?

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

Answer: C

NEW QUESTION 41

Your company is designing an application that will write a high volume of JSON data and will have an application-defined schema. Which type of data store should you use?

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

Answer: A

Explanation:

A key/value store associates each data value with a unique key. An application can store arbitrary data as a set of values. Any schema information must be provided by the application. The key/value store simply retrieves or stores the value by key.

NEW QUESTION 46

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"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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.

NEW QUESTION 49

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: C**

**Explanation:**

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

**NEW QUESTION 52**

Match the Azure Cosmos DB APIs to the appropriate data structures.

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

NOTE: Each correct match is worth one point.

**APIs**

**Answer Area**

- Cassandra API
- Gremlin API
- MongoDB API
- Table API

- Graph data
- JSON documents
- Key/value data

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

**APIs**

**Answer Area**

- Cassandra API
- Gremlin API
- MongoDB API
- Table API

- Gremlin API Graph data
- MongoDB API JSON documents
- Table API Key/value data

**NEW QUESTION 54**

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

To configure an Azure Storage account to support both security at the folder level and atomic directory manipulation,

- 
- enable the hierarchical namespace.
- set Account kind to BlobStorage.
- set Performance to Premium.
- set Replication to Read-access geo-redundant storage (RA-GRS).

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

To configure an Azure Storage account to support both security at the folder level and atomic directory manipulation,

	▼
enable the hierarchical namespace.	
set Account kind to BlobStorage.	
set Performance to Premium.	
set Replication to Read-access geo-redundant storage (RA-GRS).	

#### NEW QUESTION 56

What is a primary characteristic of a relational database?

- A. data is queried and manipulated by using a variant of the SQL language
- B. a flexible data structure
- C. a lack of dependencies between tables
- D. a large amount of duplicate data

Answer: A

#### NEW QUESTION 57

What are three characteristics of an Online Transaction Processing (OLTP) workload? Each correct answer presents a complete solution NOTE: Each correct selection is worth one point.

- A. denormalized data
- B. schema defined in a database
- C. schema defined when reading unstructured data from a database
- D. normalized data
- E. light writes and heavy reads
- F. heavy writes and moderate reads

Answer: ABF

#### NEW QUESTION 61

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

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

	▼
graph.	
table.	
partition key.	
document.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

	▼
graph.	
table.	
partition key.	
document.	

#### NEW QUESTION 65

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

Azure Data Studio

Microsoft SQL Server Data Tools (SSDT)

Microsoft SQL Server Management Studio (SSMS)

Microsoft Visual Studio Code

Answer Area

Tool

A graphical tool for managing Azure SQL databases and viewing SQL execution plans

Tool

A Microsoft SQL Server extension that supports connections to SQL Server and provides a rich editing experience for T-SQL

Tool

A lightweight editor that can run on-demand SQL queries and view and save results as text, JSON, or Microsoft Excel files

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

- A. Mastered  
 B. Not Mastered

**Answer:** A

**Explanation:**

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 70

What are two characteristics of real-time data processing? Each correct answer present a complete solution. NOTE: Each correct selection is worth one point.

- A. Data is processed as it is created.  
 B. Low latency is expected  
 C. High latency acceptable  
 D. Data is processed periodically

**Answer:** AB

**Explanation:**

Real time processing deals with streams of data that are captured in real-time and processed with minimal latency to generate real-time (or near-real-time) reports or automated responses.

#### NEW QUESTION 73

Which storage solution supports role-based access control (RBAC) at the file and folder level?

- A. Azure Disk Storage  
 B. Azure Data Lake Storage  
 C. Azure Blob storage  
 D. Azure Queue storage

**Answer:** B

#### NEW QUESTION 75

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:** A

#### NEW QUESTION 76

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



Answer Area

A key/value data store is optimized for

enforcing constraints.  
simple lookups.  
table joins.  
transactions.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: simple lookups  
A key/value store associates each data value with a unique key. Most key/value stores only support simple query, insert, and delete operations. To modify a value (either partially or completely), an application must overwrite the existing data for the entire value. In most implementations, reading or writing a single value is an atomic operation.  
An application can store arbitrary data as a set of values. Any schema information must be provided by the application. The key/value store simply retrieves or stores the value by key.

NEW QUESTION 77

Select the answer that correctly completes the sentence.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

In a data warehousing workload, data \_\_\_\_\_ from multiple sources is combined in a single location.

NEW QUESTION 82

Which two Azure services can be used to provision Apache Spark clusters? Each correct answer presents a complete solution. (Choose two.)  
NOTE: Each correct selection is worth one point.

- A. Azure Time Series Insights
- B. Azure HDInsight
- C. Azure Databricks
- D. Azure Log Analytics

Answer: BC

NEW QUESTION 84

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"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application Description automatically generated  
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

NEW QUESTION 89

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: A

NEW QUESTION 93

Select the answer that correctly completes the sentence.

Answer Area

A data engineer

A data analyst

A data engineer

A data scientist

A database administrator

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A data engineer

A data analyst

A data engineer

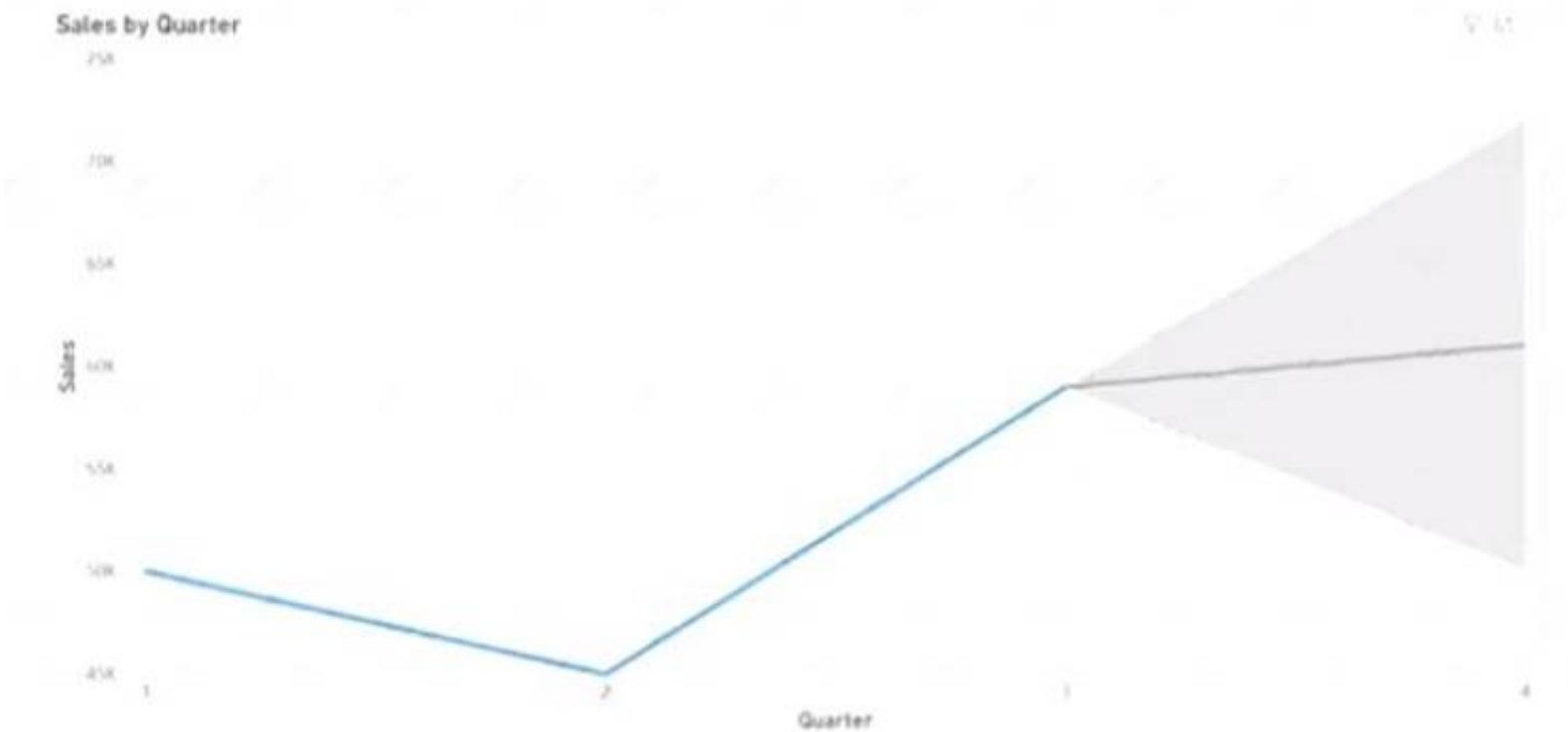
A data scientist

A database administrator

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

NEW QUESTION 95

Your company recently reported sales from the third quarter. You have the chart shown in the following exhibit.



Which type of analysis is shown for the fourth quarter?

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

Answer: A

NEW QUESTION 99

Select the answer that correctly completes the sentence.

Answer Area

▼

 can be used as part of a lift-and-shift solution for migrating  
an on-premises application to the cloud with minimal changes.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

An instance of SQL Server on Azure Virtual Machines

▼

 can be used as part of a lift-and-shift solution for migrating  
an on-premises application to the cloud with minimal changes.

NEW QUESTION 100

Which setting can only be configured during the creation of an Azure Cosmos DB account?

- A. geo-redundancy
- B. multi-region writes
- C. production or non-reduction account type
- D. API

Answer: D

Explanation:

You must create a separate account for each API.

NEW QUESTION 105

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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.

#### NEW QUESTION 109

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

**Answer:** B

#### NEW QUESTION 111

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

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

**Answer:** D

#### Explanation:

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

#### NEW QUESTION 115

Select the answer that correctly completes the sentence.

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Answer Area


You can query a graph database in Azure Cosmos DB

as nodes and edges by using the Gremlin language.

#### NEW QUESTION 116

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



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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Graphical user interface, text, application Description automatically generated

Azure Cosmos DB SQL API accounts provide support for querying items using the Structured Query Language (SQL) syntax.

**NEW QUESTION 117**

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.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

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

**NEW QUESTION 119**

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

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

**Answer:** D

**NEW QUESTION 120**

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

A block of code that runs in a database is called

a stored procedure.  
a table.  
a view.  
an index.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:  
Text Description automatically generated with medium confidence

NEW QUESTION 121  
To complete the sentence, select the appropriate option in the answer area.

Batch workloads

process data in memory, row-by-row.  
collect and process data at most once a day.  
process data as new data is received in near real-time.  
collect data and then process the data when a condition is met.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Batch workloads

process data in memory, row-by-row.  
collect and process data at most once a day.  
process data as new data is received in near real-time.  
collect data and then process the data when a condition is met.

NEW QUESTION 124  
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
A pipeline is a representation of a data structure within Azure Data Factory.	<input type="radio"/>	<input type="radio"/>
Azure Data Factory pipelines can execute other pipelines.	<input type="radio"/>	<input type="radio"/>
A processing step within an Azure Data Factory pipeline is an activity.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

1 2 3 4 5 6

Answer Area

Statements

A pipeline is a representation of a data structure within Azure Data Factory.

Azure Data Factory pipelines can execute other pipelines.

A processing step within an Azure Data Factory pipeline is an activity.

Yes

No

☐

☒

☒

☐

☐

☒

#### NEW QUESTION 128

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.

☐

☐

A Microsoft Power BI dashboard can only display visualizations from a single dataset.

☐

☐

A Microsoft Power BI dashboard can display visualizations from a Microsoft Excel workbook.

☐

☐

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Statements

Yes

No

A Microsoft Power BI dashboard is associated with a single workspace.

☐

☒

A Microsoft Power BI dashboard can only display visualizations from a single dataset.

☐

☒

A Microsoft Power BI dashboard can display visualizations from a Microsoft Excel workbook.

☒

☐

#### NEW QUESTION 133

Select the answer that correctly completes the sentence.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A relational database must be used when strong consistency guarantees are required.

#### NEW QUESTION 134

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: B

NEW QUESTION 136

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

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

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.  
a data pipeline that includes a transformation engine.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Text Description automatically generated with medium confidence  
With ELT, the data store used to perform the transformation is the same data store where the data is ultimately consumed.

NEW QUESTION 141

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: BCE

Explanation:

<https://docs.microsoft.com/en-us/sql/relational-databases/security/authentication-access/getting-started-with-data>

NEW QUESTION 143

You have an e-commerce application that reads and writes data to an Azure SQL database. Which type of processing does the application use?

- A. stream processing
- B. batch processing
- C. Online Analytical Processing (OLTP)
- D. Online Transaction Processing (OLTP)

Answer: D

NEW QUESTION 144

Select the answer that correctly completes the sentence.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

In a graph database, edges specify relationships between tables.



NEW QUESTION 148

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
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"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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

NEW QUESTION 151

When provisioning an Azure Cosmos DB account, which feature provides redundancy within an Azure region?

- A. multi-master replication
- B. Availability Zones
- C. automatic failover
- D. the strong consistency level

Answer: B

Explanation:

With Availability Zone (AZ) support, Azure Cosmos DB will ensure replicas are placed across multiple zones within a given region to provide high availability and resiliency to zonal failures.

Note: Azure Cosmos DB provides high availability in two primary ways. First, Azure Cosmos DB replicates data across regions configured within a Cosmos account. Second, Azure Cosmos DB maintains 4 replicas of data within a region.

NEW QUESTION 152

Which clause should you use in a select statement to combine rows in one table with rows in another table?

- A. JOIN
- B. VALUES
- C. set
- D. KEY

Answer: A

NEW QUESTION 156

Select the answer that correctly completes the sentence. See the answer below:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

An Azure Storage account must have	Hierarchical namespace	enabled to support Azure Data Lake Storage.
------------------------------------	------------------------	---

**NEW QUESTION 158**

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"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

A screenshot of a computer Description automatically generated with medium confidence

**NEW QUESTION 159**

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

A relational database must be used when

▼

a dynamic schema is required.  
data will be stored as key/value pairs.  
storing large images and videos.  
strong consistency guarantees are required.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

A relational database must be used when

▼

a dynamic schema is required.  
data will be stored as key/value pairs.  
storing large images and videos.  
strong consistency guarantees are required.

**NEW QUESTION 164**

Select the answer that correctly completes the sentence.

**Answer Area**

Microsoft SQL Server database tables store

▼

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Microsoft SQL Server database tables store relational data.

NEW QUESTION 166

Select the answer that correctly completes the sentence.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A clustered index is an object associated with a table that sorts and stores data rows based on their key values.

NEW QUESTION 170

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

Explanation:

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.

NEW QUESTION 174

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

Answer Area

To configure an Azure Storage account to support both security at the folder level and atomic directory manipulation, enable the hierarchical namespace, set Account kind to BlobStorage, set Performance to Premium, set Replication to Read-access geo-redundant storage (RA-GRS).

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

#### Answer Area

To configure an Azure Storage account to support both security at the folder level and atomic directory manipulation,

```
enable the hierarchical namespace.  
set Account kind to BlobStorage.  
set Performance to Premium.  
set Replication to Read-access geo-redundant storage (RA-GRS).
```

#### NEW QUESTION 178

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

- A. soft delete
- B. archive storage
- C. the change feed
- D. a lifecycle management policy

**Answer:** D

#### NEW QUESTION 180

You need to modify a view in a relational database by adding a new column. Which statement should you use?

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

**Answer:** B

#### NEW QUESTION 183

You have an inventory management database that contains the following table.

ProductName	Quantity
Product1	100
Product2	129
Product3	176

Which statement should you use in a SQL query to change the inventory quantity of Product1 to 270?

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

**Answer:** C

#### NEW QUESTION 184

You have an Azure SQL database that you access directly from the internet. You recently changed your external IP address. After changing the IP address, you can no longer access the database. You can connect to other resources in Azure. What is a possible cause of the issue?

- A. a database-level firewall
- B. role-based access control (RBAC)
- C. Dynamic Host Configuration Protocol (DHCP)
- D. Domain Name Service (DNS)

**Answer:** A

#### Explanation:

The Azure SQL Database firewall lets you decide which IP addresses may or may not have access to either your Azure SQL Server or your Azure SQL database. When creating an Azure SQL Database, the firewall needs to be configured before anyone will be able to access the database. By default, no external access to your SQL Database will be allowed until you explicitly assign permission by creating a firewall rule.

#### NEW QUESTION 189

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

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

**Answer:** D

#### Explanation:



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

NEW QUESTION 191

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

Transcribing audio files is an example of

cognitive

descriptive

predictive

prescriptive

analytics.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Transcribing audio files is an example of

cognitive

descriptive

predictive

prescriptive

analytics.

NEW QUESTION 193

Match the types of analytics that can be used to answer the business questions.  
To answer, drag the appropriate analytics type from the column on the left to its question on the right. Each analytics type may be used once, more than once, or not at all.  
NOTE: Each correct match is worth one point.

Analytics Types

Cognitive

Descriptive

Diagnostic

Predictive

Prescriptive

Answer Area

Analytics Type

Why did sales increase last month?

Analytics Type

How do I allocate my budget to buy different inventory items?

Analytics Type

Which people are mentioned in a company's business documents?

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Diagnostic

Why did sales increase last month?

Predictive

How do I allocate my budget to buy different inventory items?

Cognitive

Which people are mentioned in a company's business documents?

NEW QUESTION 194

You have data saved in the following format.  
\

```
{
  "firstName": "John",
  "lastName": "Doe",
  "age": "23",
  "hobbies": [
    { "type": "Sports", "value": "Golf" },
    { "type": "Leisure", "value": "Reading" },
    { "type": "Leisure", "value": "Guitar" }
  ]
}
```

Which format was used?

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

Answer: D

NEW QUESTION 199

Your company needs to design a database that illustrates the relationships between utilization levels of individual network devices across a local area network. Which type of data store should you use?

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

Answer: A

Explanation:

Data as it appears in the real world is naturally connected. Traditional data modeling focuses on defining entities separately and computing their relationships at runtime. While this model has its advantages, highly connected data can be challenging to manage under its constraints. A graph database approach relies on persisting relationships in the storage layer instead, which leads to highly efficient graph retrieval operations. Azure Cosmos DB's Gremlin API supports the property graph model.

NEW QUESTION 202

You need to create an Azure resource to store data in Azure Table storage. Which command should you run?

- A. az scorage share create
- B. az scorage account creace
- C. az cosmosdb creace
- D. az scorage concainer creace

Answer: D

NEW QUESTION 207

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
		<input type="radio"/>	<input type="radio"/>
		<input type="radio"/>	<input type="radio"/>
		<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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.

NEW QUESTION 211

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

Column family databases

Document databases

Graph databases

Key-value stores

natively support the analysis of relationships between entities.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Text Description automatically generated

NEW QUESTION 215

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

When provisioning an Azure Cosmos DB

account

container

database

item

, you need to specify which type of API you will use.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Table Description automatically generated

NEW QUESTION 216

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.

Workload Types

Batch

Streaming

Answer Area

Workload Type

Analyzing web traffic from the past year

Workload Type

Classifying images that were uploaded last month

Workload Type

Tracking how many people are currently using a website

- A. Mastered
- B. Not Mastered

Answer: A

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

NEW QUESTION 221

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

Answer Area

Relational data uses 

collections

columns

keys

partitions

 to enforce relationships between different tables.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Relational data uses 

collections

columns

keys

partitions

 to enforce relationships between different tables.

NEW QUESTION 225

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
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"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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"/>

NEW QUESTION 230

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
Normalization involves eliminating relationships between database tables.	<input type="radio"/>	<input type="radio"/>
Normalizing a database reduces data redundancy.	<input type="radio"/>	<input type="radio"/>
Normalization improves data integrity.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered



Answer: A

Explanation:

Statements	Yes	No
Normalization involves eliminating relationships between database tables.	<input type="radio"/>	<input checked="" type="radio"/>
Normalizing a database reduces data redundancy.	<input checked="" type="radio"/>	<input type="radio"/>
Normalization improves data integrity.	<input checked="" type="radio"/>	<input type="radio"/>

#### NEW QUESTION 232

Select the answer that correctly completes the sentence.

Answer Area

A JSON document is an example of

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A JSON document is an example of

#### NEW QUESTION 237

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
JavaScript	<input type="text" value="Azure Data Explorer"/>
KQL	<input type="text" value="Azure Stream Analytics"/>
Python	<input type="text" value="Azure Synapse Analytics"/>
SQL	<input type="text"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Language	Answer Area
JavaScript	KQL Azure Data Explorer
KQL	SQL Azure Stream Analytics
Python	Python Azure Synapse Analytics
SQL	

#### NEW QUESTION 241

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"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

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.

#### NEW QUESTION 244

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

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

**Answer:** D

#### Explanation:

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.

#### NEW QUESTION 249

What are three characteristics of an Online Transaction Processing (OLTP) workload? Each correct answer presents a complete solution. (Choose three.)

NOTE: Each correct selection is worth one point.

- A. denormalized data
- B. heavy writes and moderate reads
- C. light writes and heavy reads
- D. schema on write
- E. schema on read
- F. normalized data

**Answer:** BDF

#### NEW QUESTION 253

You have a SQL query that combines customer data and order data. The query includes calculated columns. You need to persist the SQL query so that other users can use the query. What should you create?

- A. a table
- B. an index

- C. scalar function
- D. a view

**Answer:** D

**Explanation:**

A view is a virtual table whose contents are defined by a query. A view acts as a filter on the underlying tables referenced in the view. The query that defines the view can be from one or more tables or from other views in the current or other databases.

**NEW QUESTION 257**

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

By default, each Azure SQL database is protected by

	▼
a network security group (NSG).	
a server-level firewall.	
Azure Firewall.	
Azure Front Door.	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

By default, each Azure SQL database is protected by

	▼
a network security group (NSG).	
a server-level firewall.	
Azure Firewall.	
Azure Front Door.	

**NEW QUESTION 262**

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

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

**Answer:** D

**NEW QUESTION 264**

Which two Azure services can be used to provision Spark clusters? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Azure Databricks
- B. Azure Log Analytics
- C. Azure Time Series Insights
- D. Azure HDInsight

**Answer:** AD

**NEW QUESTION 268**

What is a benefit of the Azure Cosmos DB Table API as compared to Azure Table storage?

- A. supports partitioning
- B. provides resiliency if art Azure region fads
- C. provides a higher storage capacity
- D. supports a multi-master model

**Answer:** D

**Explanation:**

Multi-master support for Azure Cosmos DB is now available in all public regions.

Azure CosmosDB table API is a key-value storage hosted in the cloud. It's a part of Azure Cosmos DB, that is Microsoft's multi-model database.

**NEW QUESTION 269**

Select the answer that correctly completes the sentence.

Answer Area

In a relational database, the

primary key

foreign key

primary key

WHERE clause

nonclustered index

uniquely identifies each row in a table.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

In a relational database, the

primary key

foreign key

primary key

WHERE clause

nonclustered index

uniquely identifies each row in a table.

NEW QUESTION 270

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

Explanation:

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.

NEW QUESTION 271

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.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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.



#### NEW QUESTION 272

You have an application that runs on Windows and requires access to a mapped drive. Which Azure service should you use?

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

**Answer:** A

#### NEW QUESTION 275

When can you use an Azure Resource Manager template?

- A. to automate the creation of an interdependent group of Azure resources in a repeatable way
- B. to automate the creation of an interdependent and develop can deploy from the Azure portal
- C. To provision Azure subscriptions and apply policies for multi-tenant deployments
- D. To set complex permissions automatically on existing objects in an Azure subscription

**Answer:** A

#### Explanation:

You can automate deployments and use the practice of infrastructure as code. In code, you define the infrastructure that needs to be deployed. To implement infrastructure as code for your Azure solutions, use Azure Resource Manager templates (ARM templates). The template is a JavaScript Object Notation (JSON) file that defines the infrastructure and configuration for your project. The template uses declarative syntax, which lets you state what you intend to deploy without having to write the sequence of programming commands to create it. In the template, you specify the resources to deploy and the properties for those resources.

#### NEW QUESTION 278

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

You can query a graph database in Azure Cosmos DB

as a JSON document by using a SQL-like language.
as a partitioned row store by using Cassandra Query Language (CQL).
as a partitioned row store by using Language-Integrated Query (LINQ).
as nodes and edges by using the Gremlin language.

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

You can query a graph database in Azure Cosmos DB

as a JSON document by using a SQL-like language.
as a partitioned row store by using Cassandra Query Language (CQL).
as a partitioned row store by using Language-Integrated Query (LINQ).
as nodes and edges by using the Gremlin language.

#### NEW QUESTION 282

Select the answer that correctly completes the sentence.

#### Answer Area

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

data that is fully processed before being loaded to the target data store.	▼
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.	Content Display
that the data target be a relational database.	

- A. Mastered
- B. Not Mastered

**Answer:** A

#### Explanation:

Answer Area

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

- data that is fully processed before being loaded to the target data store.

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.
- Content Display

NEW QUESTION 285

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	\$40	3
6-Apr-20	\$200	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 Area

Value

SalesDate, AVG(SalesAmount)

FROM Sales

Value

SalesDate

- A. Mastered  
B. Not Mastered

Answer: A

Explanation:

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;

NEW QUESTION 288

Select the answer that correctly completes the sentence.

Answer Area

The \_\_\_\_\_ clause can be used in Data Manipulation Language (DML) statements to specify the criteria that rows must match.

- A. Mastered  
B. Not Mastered

Answer: A

Explanation:

### Answer Area

The **WHERE** clause can be used in Data Manipulation Language (DML) statements to specify the criteria that rows must match.

### NEW QUESTION 289

Select the answer that correctly completes the sentence.

### Answer Area

An Azure Storage account must have **Hierarchical namespace** enabled to support Azure Data Lake Storage.

- Blob soft delete
- Hierarchical namespace
- Large file shares
- Versioning

- A. Mastered
- B. Not Mastered

**Answer:** A

### Explanation:

Hierarchical namespace  
<https://learn.microsoft.com/en-us/dynamics365/customer-insights/own-data-lake-storage>

### NEW QUESTION 294

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 use Azure Data Studio to query a Microsoft SQL Server big data cluster.	<input type="radio"/>	<input type="radio"/>
You can use Microsoft SQL Server Management Studio (SSMS) to query an Azure Synapse Analytics data warehouse.	<input type="radio"/>	<input type="radio"/>
You can use MySQL Workbench to query Azure Database for MariaDB databases.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A

### Explanation:

Statements	Yes	No
You can use Azure Data Studio to query a Microsoft SQL Server big data cluster.	<input checked="" type="radio"/>	<input type="radio"/>
You can use Microsoft SQL Server Management Studio (SSMS) to query an Azure Synapse Analytics data warehouse.	<input checked="" type="radio"/>	<input type="radio"/>
You can use MySQL Workbench to query Azure Database for MariaDB databases.	<input checked="" type="radio"/>	<input type="radio"/>



NEW QUESTION 298

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: C

Explanation:

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.

NEW QUESTION 302

Match the types of visualizations to the appropriate descriptions.

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

NOTE: Each correct match is worth one point.

Visualizations

Key influencer

Scatter

Treemap

Answer Area

Visualization

Visualization

Visualization

A chart of colored, nested rectangles that displays individual data points represented by the size and color of a relative rectangle.

A chart that displays the major contributors of a selected result or value.

A chart that shows the relationship between two numerical values.

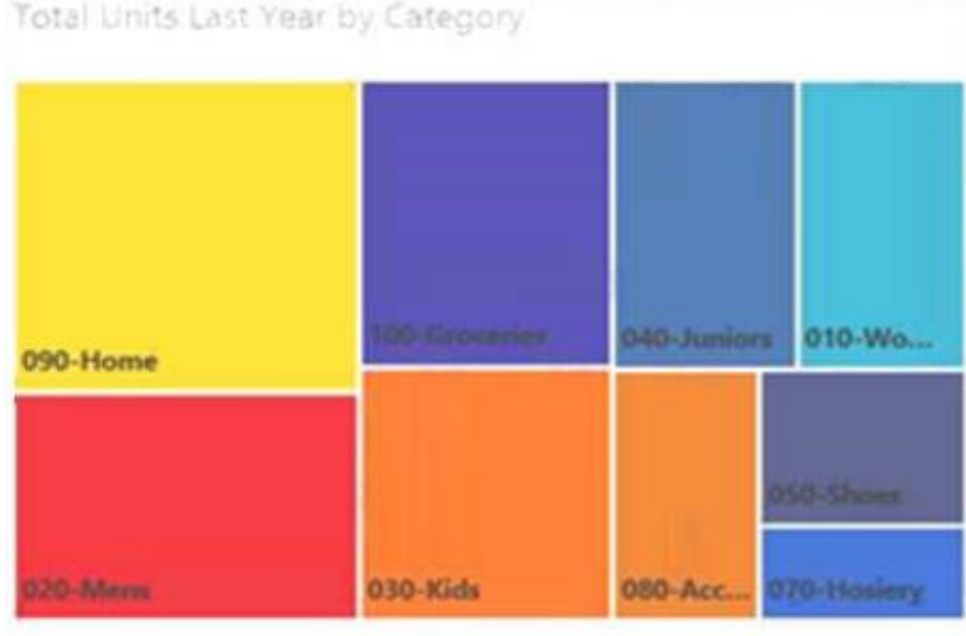
- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Tree map

Treemaps are charts of colored rectangles, with size representing value. They can be hierarchical, with rectangles nested within the main rectangles.



Box 2: Key influencer

A key influencer chart displays the major contributors to a selected result or value. Box 3: Scatter

Scatter and Bubble charts display relationships between 2 (scatter) or 3 (bubble) quantitative measures -- whether or not, in which order, etc.

NEW QUESTION 303

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: A

NEW QUESTION 305

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 within a single Azure Storage account supports multiple concurrent reads in different Azure regions.	<input type="radio"/>	<input type="radio"/>
Azure Table storage within a single Azure Storage account supports multiple concurrent writes in different Azure regions.	<input type="radio"/>	<input type="radio"/>
An Azure Cosmos DB account that uses the Table API supports multiple concurrent reads in different Azure regions.	<input type="radio"/>	<input type="radio"/>
An Azure Cosmos DB account that uses the Table API supports multiple concurrent writes in different Azure regions.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Text Description automatically generated

Box 1: Yes

For read access to the secondary region, configure your storage account to use read-access geo-redundant storage (RA-GRS) or read-access geo-zone-redundant storage (RA-GZRS).

Box 2: No

Box 3: Yes

Box 4: Yes

Azure Cosmos DB supports multi-region writes.

NEW QUESTION 307

Select the answer the correctly completes the sentence.

Answer Area

is responsible for managing the security of the data in a database.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A database administrator is responsible for managing the security of the data in a database.

NEW QUESTION 308

Your company has a reporting solution that has paginated reports. The reports query a dimensional model in a data warehouse. Which type of processing does the reporting solution use?

- A. stream processing
- B. Online Transaction Processing (OLTP)
- C. batch processing
- D. Online Analytical Processing (OLAP)

Answer: D

NEW QUESTION 310

Select the answer that correctly completes the sentence.

Answer Area

A key/value data store is optimized for

simple lookups.

enforcing constraints.

simple lookups.

table joins.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A key/value data store is optimized for

simple lookups.

enforcing constraints.

simple lookups.

table joins.

NEW QUESTION 313

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"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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 315

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.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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.

NEW QUESTION 316

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.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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.

NEW QUESTION 320

You manage an application that stores data in a shared folder on a Windows server. You need to move the shared folder to Azure Storage. Which type of Azure Storage should you use?

- A. queue
- B. blob
- C. file
- D. table

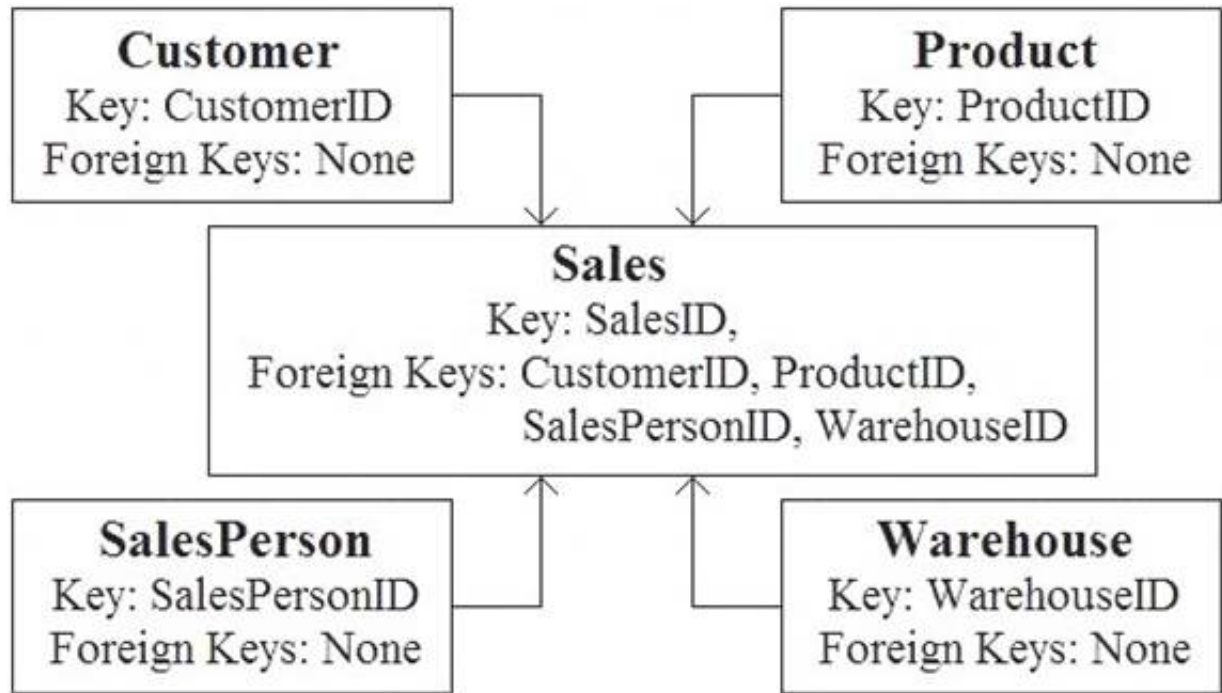
Answer: C

Explanation:

Azure file shares can be mounted concurrently by cloud or on-premises deployments of Windows, Linux, and macOS. Azure file shares can also be cached on Windows Servers with Azure File Sync for fast access near where the data is being used.

NEW QUESTION 321

You are reviewing the data model shown in the following exhibit.



Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.  
NOTE: Each correct selection is worth one point

The data model is a [answer choice].

transactional model

star schema

snowflake schema

Customer is a [answer choice] table.

fact

dimension

bridge

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

The data model is a [answer choice].

transactional model

star schema

snowflake schema

Customer is a [answer choice] table.

fact

dimension

bridge

NEW QUESTION 323  
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.

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	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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

NEW QUESTION 328  
.....

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