Exam Questions DP-900

Microsoft Azure Data Fundamentals

https://www.2passeasy.com/dumps/DP-900/

NEW QUESTION 1
Which Azure SQL offering supports automatic database scaling and automatic pausing of the database during inactive periods?

A. Azure SQL Database Hyperscale
B. Azure SQL managed instance
C. Azure SQL Database serveless
D. Azure SQL Database elastic pod

Answer: B

NEW QUESTION 2
Select the answer that correctly completes the sentence.

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Text, letter Description automatically generated

NEW QUESTION 3
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 4
A bar chart showing year-to date sales by region is an example of which type of analytics?

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

Answer: B

NEW QUESTION 5
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

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 6
To complete the sentence, select the appropriate option in the answer area.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 7
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 serf-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 8
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

NEW QUESTION 9
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 10
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.	O	O
Azure Table storage supports multiple write regions.	O	O
The Azure Cosmos DB Table API supports multiple read replicas.	O	O
The Azure Cosmos DB Table API supports multiple write regions.	O	O

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
Azure Table storage supports multiple read replicas.	O	O
Azure Table storage supports multiple write regions.	O	O
The Azure Cosmos DB Table API supports multiple read replicas.	O	O
The Azure Cosmos DB Table API supports multiple write regions.	O	O

NEW QUESTION 10
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 11
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 15
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.	○	○
Analytics systems are more normalized than transactional systems.	○	○
Normalizing a database results in queries that require more joins.	○	○

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 17
Which Azure Data Factory component initiates the execution of a pipeline?

A. a control flow
B. a trigger
C. a parameter
D. an activity

Answer: B

NEW QUESTION 22

What is a characteristic of a non-relational database?

A. a fixed schema
B. self-describ ing entities
C. full support for Transact-SQL

Answer: C

NEW QUESTION 27
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 [transactional writes. ▼]

NEW QUESTION 31
Select the answer that correctly completes the sentence.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

A non-relational database [stores data without a fixed schema ▼] .

NEW QUESTION 35
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: B

NEW QUESTION 37
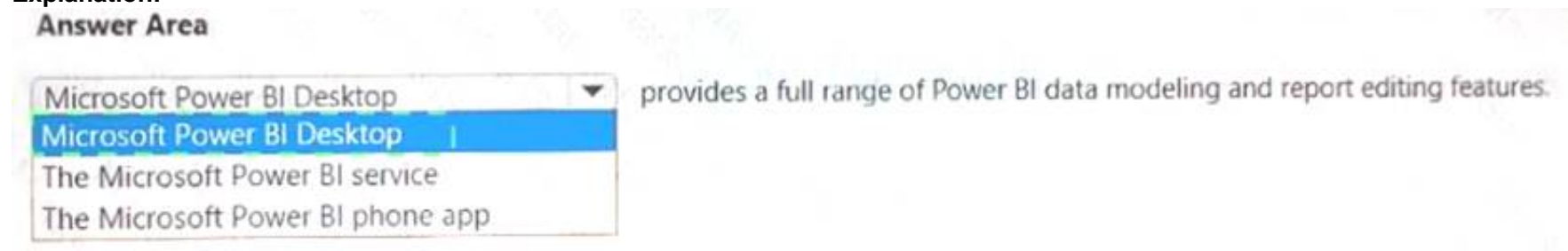Select the answer that correctly completes the sentence.

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

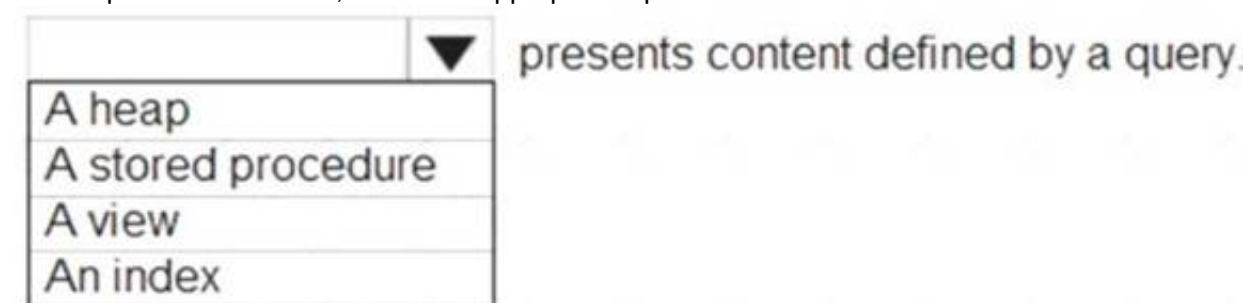| Microsoft Power BI Desktop ▼ | provides a full range of Power BI data modeling and report editing features. |
| Microsoft Power BI Desktop |
| The Microsoft Power BI service |
| The Microsoft Power BI phone app |

NEW QUESTION 41
What ate 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 42
To complete the sentence, select the appropriate option in the answer area.

| ▼ | presents content defined by a query. |
| A heap |
| A stored procedure |
| A view |
| An index |

A. Mastered
B. Not Mastered

Answer: A

Explanation:
A View

NEW QUESTION 45
You have a transactional application that stem data in an Azure SQL managed instance. When should you implement a read-only database replica?

A. You need to generate reports without affecting the transactional workload.
B. You need to audit the transactional application.
C. You need to implement high availability in the event of a regional outage
D. You need to improve the recovery point objective (RPO).

Answer: A

Explanation:
Use read-only replicas to offload read-only query workloads.

NEW QUESTION 48
Select the answer that correctly completes the sentence.

Answer Area

When provisioning an Azure Cosmos DB _____ ▼ , you need to specify which type of API you will use.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

When provisioning an Azure Cosmos DB account ▼ , you need to specify which type of API you will use.

NEW QUESTION 53
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
Stream processing has access to the most recent data received or data within a rolling time window.	○	○
Batch processing must occur immediately and have latency in the order of seconds or milliseconds.	○	○
Stream processing is used for simple response functions, aggregates, or calculations such as rolling averages.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application Description automatically generated

NEW QUESTION 58
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 Data Studio can be used to query an Azure SQL database from a device that runs macOS.	○	○
Microsoft SQL Server Management Studio (SSMS) enables users to create and use SQL notebooks.	○	○
Azure Data Studio can be used to restore a database.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
Azure Data Studio can be used to query an Azure SQL database from a device that runs macOS.	○	☑
Microsoft SQL Server Management Studio (SSMS) enables users to create and use SQL notebooks.	○	☑
Azure Data Studio can be used to restore a database.	☑	○

NEW QUESTION 60
Select the answer that correctly completes the sentence.

Answer Area

| A data engineer ▼ | is responsible for creating visuals and charts that help a company make informed decisions. |

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

| A data engineer ▼ | is responsible for creating visuals and charts that help a company make informed decisions. |

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

NEW QUESTION 62
Which database transaction property ensures that transactional changes to a database are preserved during unexpected operating system restarts?

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

Answer: B

NEW QUESTION 66
For each of the following statements, select yes if he statement is true, Otherwise select No. NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
Azure Databricks can consume data from Azure SQL Database.	○	○
Azure Databricks can consume data from Azure Event Hubs.	○	○
Azure Databricks can consume data from Azure Cosmos DB.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
Azure Databricks can consume data from Azure SQL Database.	○	○
Azure Databricks can consume data from Azure Event Hubs.	○	○
Azure Databricks can consume data from Azure Cosmos DB.	○	○

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 D3

B. Azure Synapse Analytics
C. Azure HCMmtghi
D. Azure SQL Database

Answer: D

Explanation:
Azure SQL Database is relational database and a managed service.

NEW QUESTION 71
match the Azure data factory components to the appropriate descriptions.
To answer, drag the appropriate component from the column on the left to its description on the right. Each component may be used once, more than once, or not at all.
NOTE: Each correct match is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Dataset
Datasets must be created from paths in Azure datastores or public web URLs, for the data to be accessible by Azure Machine Learning.
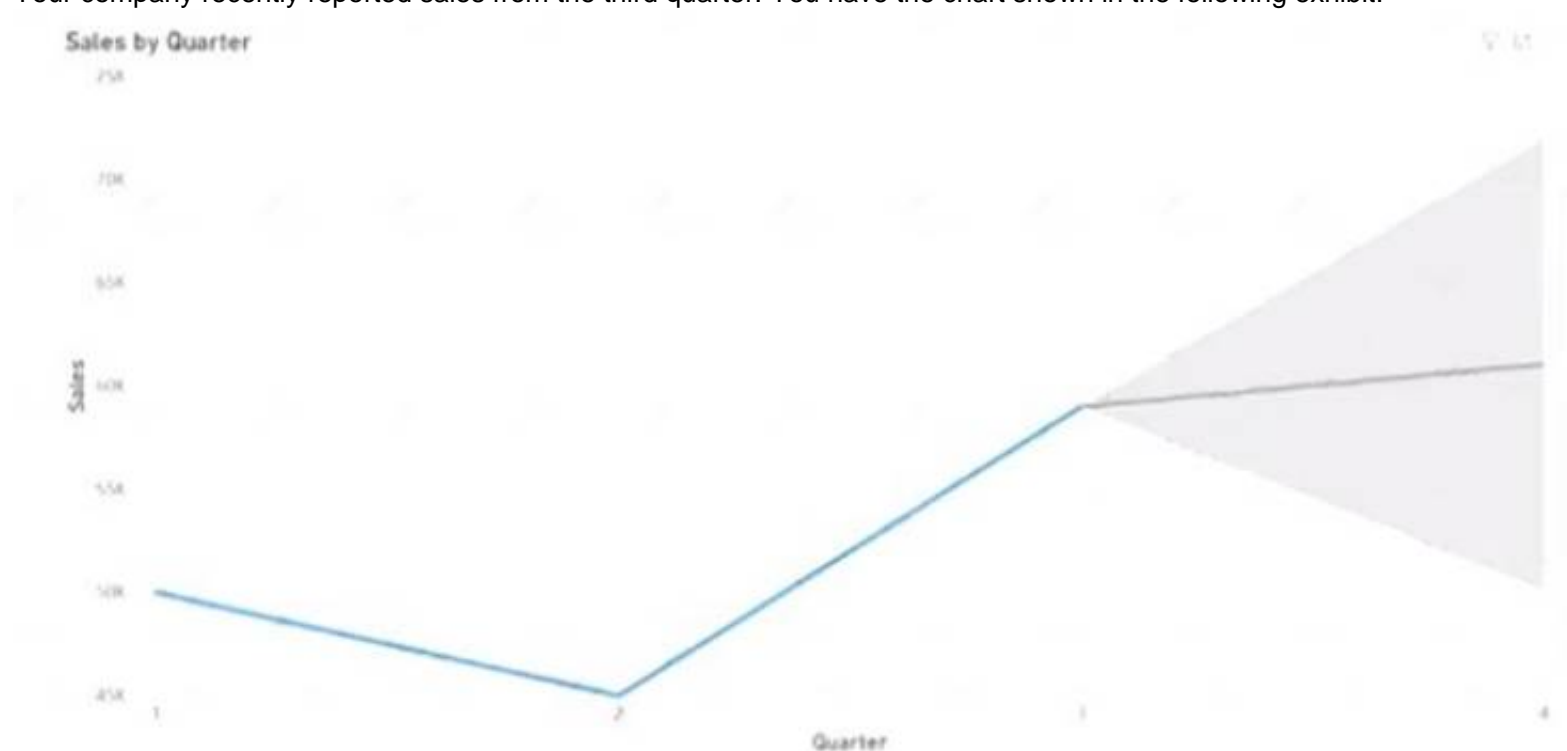Box 2: Linked service
Linked services are much like connection strings, which define the connection information needed for Data Factory to connect to external resources.
Box 3: Pipeline
A pipeline is a logical grouping of activities that together perform a task.

NEW QUESTION 73
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 78
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 80
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 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	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: No
A pipeline is a logical grouping of activities that together perform a task.
Box 2: Yes
You can construct pipeline hierarchies with data factory.
Box 3: Yes
A pipeline is a logical grouping of activities that together perform a task.

NEW QUESTION 84
Select the answer that correctly completes the sentence.

Answer Area

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

| strong consistency guarantees are required. |
| 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:

Answer Area

A relational database must be used when | strong consistency guarantees are required. ▼
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 85
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 86
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
If you have a platform as a service (PaaS) database in Azure, you are responsible for applying operating system updates.	○	○
If you have a platform as a service (PaaS) database in Azure, backups are performed automatically.	○	○
If you have a platform as a service (PaaS) database in Azure, you are responsible for upgrading the database engine.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: No
Microsoft handles all patching and updating of the SQL and operating system code. You don't have to manage the underlying infrastructure.
Box 2: Yes
SQL Database is a fully managed service that has built-in high availability, backups, and other common maintenance operations.
Box 3: No

NEW QUESTION 91

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 92

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.	○	○
A wind turbine that sends 50 sensor readings per second is an example of a streaming workload.	○	○
A home electricity meter that sends readings once a day to an energy provider is an example of a streaming workload.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
Processing salary payments once a month is an example of a batch workload.	⊡○	○
A wind turbine that sends 50 sensor readings per second is an example of a streaming workload.	⊡○	○
A home electricity meter that sends readings once a day to an energy provider is an example of a streaming workload.	○	⊡○

NEW QUESTION 95
To complete the sentence, select the appropriate option in the answer area.

An extract, load, and transform (ELT) process requires [dropdown]

| 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 97
Which type of non-relational data store supports a flexible schema, stores data as JSON files, and stores the all the data for an entity in the same document?

A. document
B. columnar
C. graph
D. time series

Answer: A

NEW QUESTION 99
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 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
Extract, transform, and load (ETL) can reduce the transfer of sensitive data to destination systems.	○	○
Extract, load, and transform (ELT) transforms data by using a compute resource independent of the source system and destination system.	○	○
Extract, load, and transform (ELT) minimizes the time it takes to copy large volumes of data to destination systems.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:
A screenshot of a computer Description automatically generated with medium confidence

NEW QUESTION 108
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 111
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 112
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 117
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.	○	◉
You need a Microsoft 365 subscription to create an Azure SQL database.	○	○
You can use existing Microsoft SQL Server licenses to reduce the cost of Azure SQL databases.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
You must apply operating system updates to Azure SQL databases regularly.	○	◉
You need a Microsoft 365 subscription to create an Azure SQL database.	○	◉
You can use existing Microsoft SQL Server licenses to reduce the cost of Azure SQL databases.	◉	○

NEW QUESTION 119
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

NEW QUESTION 124
You need to store data by using Azure Table storage. What should you create first?

A. an Azure Cosmos DB instance
B. a storage account
C. a blob container
D. a table

Answer: B

Explanation:
First create an Azure storage account, then use Table service in the Azure portal to create a table.
Note: An Azure storage account contains all of your Azure Storage data objects: blobs, files, queues, and tables.

NEW QUESTION 128
Select the answer that correctly completes the sentence.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Relational data is stored in   a tabular form of rows and columns. ▼

NEW QUESTION 129
Which command-line tool can you use to query Azure SQL databases?

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

Answer: A

NEW QUESTION 131
You have an application that runs on Windows and requires access to a mapped drive. Which Azure service should you use?

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

Answer: A

Explanation:
Azure Files is Microsoft's easy-to-use cloud file system. Azure file shares can be seamlessly used in Windows and Windows Server.
To use an Azure file share with Windows, you must either mount it, which means assigning it a drive letter or mount point path, or access it via its UNC path.

NEW QUESTION 135
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

NEW QUESTION 140
To complete the sentence, select the appropriate option in the answer area.

When provisioning an Azure Cosmos DB [▼] , you need to specify which type of API you will use.

account
container
database
item

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Table Description automatically generated

NEW QUESTION 144
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

JavaScript

KQL

Python

SQL

Answer Area

[   ] Azure Data Explorer

[   ] Azure Stream Analytics

[   ] Azure Synapse Analytics

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Language

JavaScript

KQL

Python

SQL

Answer Area

[ ] KQL   [ ] Azure Data Explorer

[ ] SQL   [ ] Azure Stream Analytics

[ ] Python   [ ] Azure Synapse Analytics

NEW QUESTION 146
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 149
Select the answer that correctly completes the sentence.

In a SQL statement, ▼ are examples of aggregate functions.

| FROM and WHERE |
| GROUP BY and ORDER BY |
| JOIN and MERGE |
| MAX and MIN |

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Table Description automatically generated
An aggregate function performs a calculation on a set of values, and returns a single value. The following are aggregate functions:

- APPROX_COUNT_DISTINCT
- AVG
- CHECKSUM_AGG
- COUNT
- COUNT_BIG
- GROUPING
- GROUPING_ID
- MAX
- MIN
- STDEV
- STDEVP
- STRING_AGG
- SUM
- VAR
- VARP

NEW QUESTION 151
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 153
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 154
Select the answer that correctly completes the sentence.

Answer Area

In a relational database, the [primary key ▼] uniquely identifies each row in a table.

foreign key
primary key
WHERE clause
nonclustered index

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

In a relational database, the [primary key ▼] uniquely identifies each row in a table.

foreign key
primary key
WHERE clause
nonclustered index

NEW QUESTION 155
What is a characteristic of batch processing?

A. The data ingested during batch processing must be processed as soon as the data is received.
B. Large datasets must be split into batches of less than 1 GB before the data can be processed.
C. There is a noticeable time delay between ingesting data and obtaining the data processing results.
D. Batch processing can only process data that is structured.

Answer: D

NEW QUESTION 159
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 164
Match the datastore services to the appropriate descriptions.
To answer, drag the appropriate service from the column on the left to its description 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	Answer Area	
Azure Blob storage	Service	Enables the use of SQL queries against data stored in JSON documents
Azure Cosmos DB	Service	Enables users to access data by using the Server Message Block (SMB) version 3 protocol
Azure Files		
Azure Table storage		

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Azure Cosmos DB
In Azure Cosmos DB's SQL (Core) API, items are stored as JSON. The type system and expressions are restricted to deal only with JSON types.
Box 2: Azure Files
Azure Files offers native cloud file sharing services based on the SMB protocol.

NEW QUESTION 168
At which two levels can you set the throughput for an Azure Cosmos DB account? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. container
B. item
C. database
D. partition

Answer: AC

NEW QUESTION 173
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 | Content Display
that the data target be a relational database.

NEW QUESTION 178
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

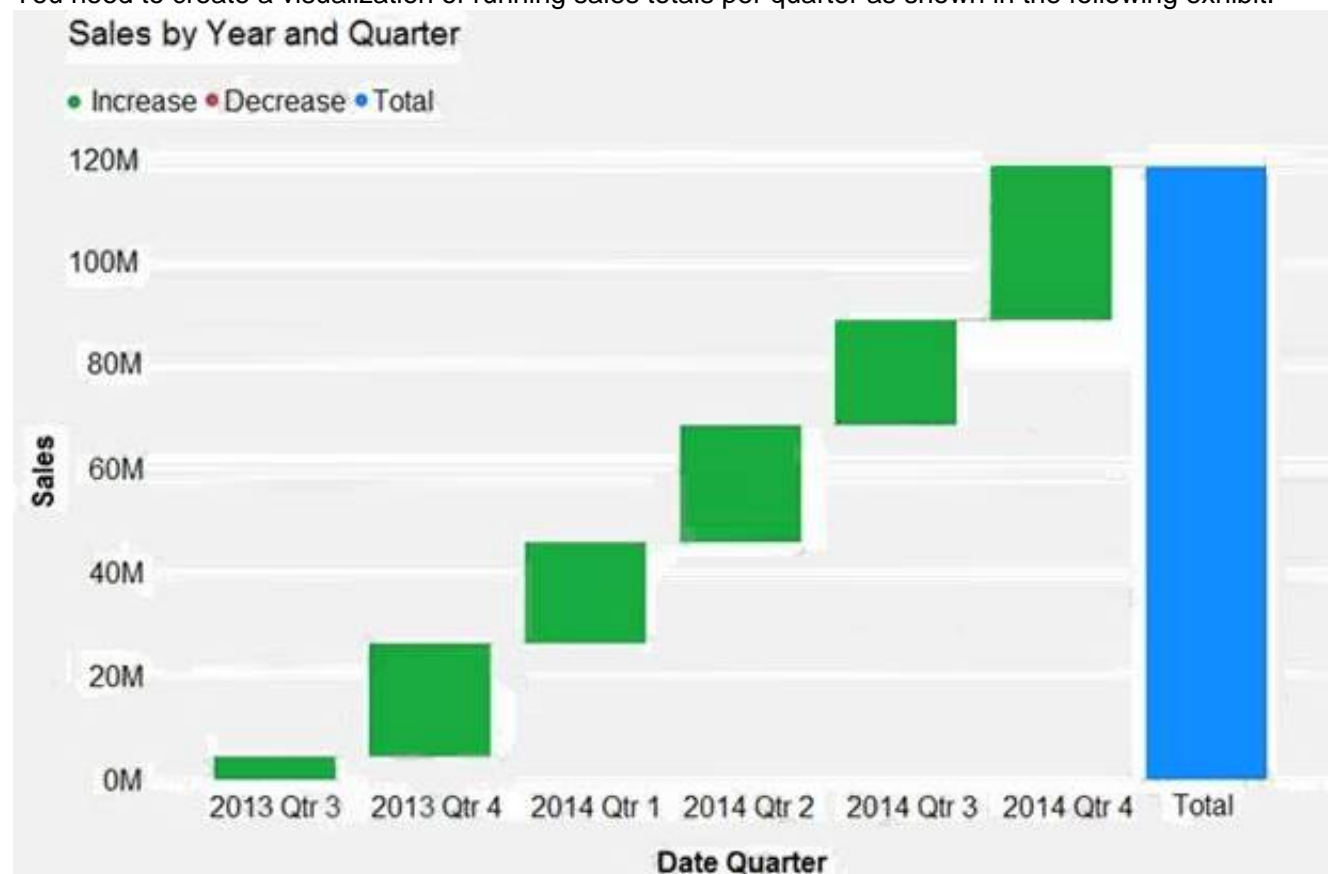| Statements	Yes	No
Azure SQL managed instance supports cross-database queries.	○	○
Azure SQL managed instance supports user-created backups.	○	○
Azure SQL managed instance databases can be restored to SQL Server on an Azure virtual machine.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
Azure SQL managed instance supports cross-database queries.	⊙	○
Azure SQL managed instance supports user-created backups.	○	⊙
Azure SQL managed instance databases can be restored to SQL Server on an Azure virtual machine.	⊙	○

NEW QUESTION 182

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

Sales by Year and Quarter

● Increase ● Decrease ● Total

```
Sales
120M
100M
80M
60M
40M
20M
0M
      2013 Qtr 3  2013 Qtr 4  2014 Qtr 1  2014 Qtr 2  2014 Qtr 3  2014 Qtr 4  Total
                              Date Quarter
```

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 187

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 191

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 194
Your company is designing a data store tor 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: D

Explanation:
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.

NEW QUESTION 198
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