Microsoft

Exam Questions DP-900

Microsoft Azure Data Fundamentals

NEW QUESTION 1
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

Descriptive — What's happening?
Diagnostic — Why's happening?
Predictive — What will happen?
Prescriptive — What actions should we take?

NEW QUESTION 2
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 3
Select the answer that correctly completes the sentence.

Answer Area

[Column family databases ▼] natively support the analysis of relationships between entities.

Column family databases
Document databases
Graph databases
Key-value stores

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

| Column family databases ▼ | natively support the analysis of relationships between entities. |

Column family databases
Document databases
Graph databases
Key-value stores

NEW QUESTION 4
Select the answer that correctly completes the sentence.

Answer Area

Backing up and restoring data are the responsibilities of a | data engineer. ▼ |
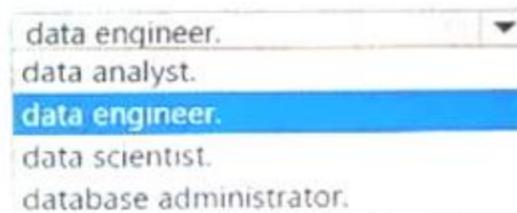
data analyst.
data engineer.
data scientist.
database administrator.

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 5
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 6
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 7
Which scenario is an example of a streaming workload?

A. sending transactions that are older than a month to an archive
B. sending transactions daily from point of sale (POS) devices

C. sending telemetry data from edge devices
D. sending cloud infrastructure metadata every 30 minutes

Answer: C

NEW QUESTION 8
Which statement is an example of Data Manipulation Language (DML)?

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

Answer: A

Explanation:
Data Manipulation Language (DML) statements:
➢ DELETE
➢ INSERT
➢ UPDATE

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

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

Answer: B

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.	○	○
Azure Table storage supports multiple write regions.	○	○
The Azure Cosmos DB Table API supports multiple read replicas.	○	○
The Azure Cosmos DB Table API supports multiple write regions.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 13
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
Diagnostic
Descriptive
Predictive
Prescriptive

Answer Area

Why did sales increase last month? [ ]

Provide specific guidance on how to allocate current budget to buy different inventory items. [ ]

Detect images of the company's logo included in PDF documents [ ]

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Diagnostic
Diagnostic Analytics: At this stage you can begin to answer some of those why questions. Historical data can begin to be measured against other data to answer the question of why something happened in the past. This is the process of gathering and interpreting different data sets to identify anomalies, detect patters, and determine relationships.
Box 2: Prescriptive
Prescriptive analytics is a combination of data, mathematical models, and various business rules to infer actions to influence future desired outcomes.
Box 3: Cognitive

NEW QUESTION 18
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 20

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 24
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 27
Which type of Azure resource supports the serverless configuration of an Azure SQL database?

A. Azure SQL Managed Instance
B. SQL Server on Azure Virtual Machines
C. a single database in Azure SQL Database
D. an Azure SQL Database elastic pool

Answer: C

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.	○	○
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 37
Select the answer that correctly completes the sentence.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

In an infrastructure as a service (IaaS) instance of Microsoft SQL Server on Azure, you manage the [virtual machine ▼] that hosts SQL Server.

NEW QUESTION 42
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 44
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 48
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 52

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
Platform as a service (PaaS) database offerings in Azure require less setup and configuration effort than infrastructure as a service (IaaS) database offerings.	○	○
Platform as a service (PaaS) database offerings in Azure provide administrators with the ability to control and update the operating system version.	○	○
All platform as a service (PaaS) database offerings in Azure can be paused to reduce costs.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
Platform as a service (PaaS) database offerings in Azure require less setup and configuration effort than infrastructure as a service (IaaS) database offerings.	☑	○
Platform as a service (PaaS) database offerings in Azure provide administrators with the ability to control and update the operating system version.	○	☑
All platform as a service (PaaS) database offerings in Azure can be paused to reduce costs.	☑	○

NEW QUESTION 55

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

| Cassandra API |
| Gremlin API |
| MongoDB API |
| Table API |

Answer Area

	Graph data
	JSON documents
	Key/value data

A. Mastered
B. Not Mastered

Answer: A

Explanation:

APIs

| Cassandra API |
| Gremlin API |
| MongoDB API |
| Table API |

Answer Area

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

NEW QUESTION 59
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 60
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 63
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 68
Match the tools to the appropriate descriptions.
To answer, drag the appropriate tool from the column on the left to its description on the right. Each tool may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

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

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 71
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 73
You need to develop a solution to provide data to executives. the solution must provide an interactive graphic interface, depict various key performance indications, and support data exploration by using drill down.
What should you use in Microsoft Power BI?

A. a dashboard
B. Microsoft Power Apps
C. a dataflow
D. a report

Answer: D

NEW QUESTION 76
Match the Azure SQL services to the appropriate use cases.
To answer, drag the appropriate service from the column on the left to its use case on the right. Each service may be used once, more than once, or not at all.
NOTE: Each correct match is worth one point.

Azure SQL services

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

Answer Area

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Azure SQL services

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

Answer Area

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

NEW QUESTION 78
To complete the sentence, select the appropriate option in the answer area.

To configure an Azure Storage account to support access control lists
that have object-level permissions, _____ ▼

| 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:
Table Description automatically generated
A key mechanism that allows Azure Data Lake Storage Gen2 to provide file system performance at object storage scale and prices is the addition of a hierarchical namespace. This allows the collection of objects/files within an account to be organized into a hierarchy of directories and nested subdirectories in the same way that the file system on your computer is organized. With a hierarchical namespace enabled, a storage account becomes capable of providing the scalability and cost-effectiveness of object storage, with file system semantics that are familiar to analytics engines and frameworks.

NEW QUESTION 80
You need to gather real-time telemetry data from a mobile application. Which type of workload describes this scenario?

A. Online Transaction Processing (OLTP)
B. batch
C. massively parallel processing (MPP)
D. streaming

Answer: D

NEW QUESTION 83

A bank has a system that manages financial transactions.
When transferring money between accounts, the system must never retrieve a value for the source account that reflects the balance before the transfer and a value for the destination account that reflects the balance after the transfer.
Of which ACID semantic is this an example?

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

Answer: B

Explanation:
Isolation. See course material:
o concurrent transactions cannot interfere with one another, and must result in a consistent database state. o For example, while the transaction to transfer funds from one account to another is in-process, another
transaction that checks the balance of these accounts must return consistent results - the balance-checking transaction can't retrieve a value for one account that reflects the balance before the transfer, and a value for the other account that reflects the balance after the transfer.

NEW QUESTION 87
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.	○	○
A Microsoft Power BI dashboard can only display visualizations from a single dataset.	○	○
A Microsoft Power BY dashboard can display visualizations from a Microsoft Excel workbook.	○	○

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 88
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 92
You need to recommend a data store service that meets the following requirements:
≫ Native SQL API access
≫ Configurable indexes What should you recommend?

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

Answer: D

Explanation:
Azure Cosmos DB comes with native Core (SQL) API support.
In Azure Cosmos DB, data is indexed following indexing policies that are defined for each container. The default indexing policy for newly created containers enforces range indexes for any string or number. This policy can be overridden with your own custom indexing policy.

NEW QUESTION 93
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 98
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 102
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.

Components

Dataset	Linked service	Mapping data flow	Pipeline

Answer Area

Component	A representation of data structures within data stores
Component	The information used to connect to external resources
Component	A logical grouping of activities that performs a unit of work and can be scheduled

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 106
Your company recently reported sales from the third quarter. You have the chart shown in the following exhibit.

Sales by Quarter
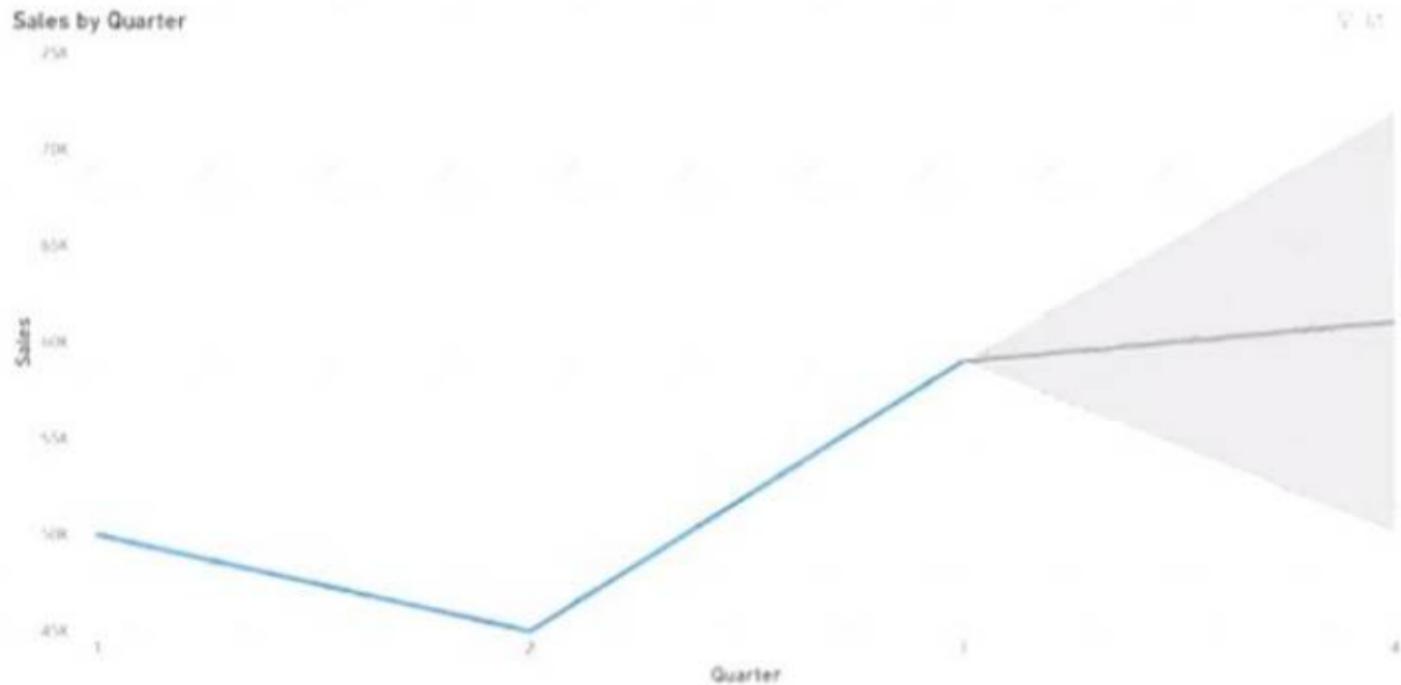
Which type of analysis is shown for the fourth quarter?

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

Answer: A

NEW QUESTION 108
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 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 113
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 118
Select the answer that correctly completes the sentence.

Answer Area

In Microsoft Power BI, a | dashboard ▼ | is a collection of visualizations that appear together on one or more pages.
dashboard
dataset
report
tile
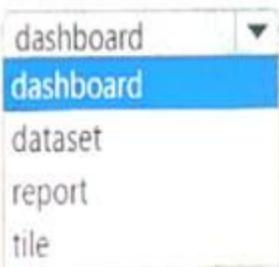
A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

In Microsoft Power BI, a | dashboard ▼ | is a collection of visualizations that appear together on one or more pages.
dashboard
dataset
report
tile
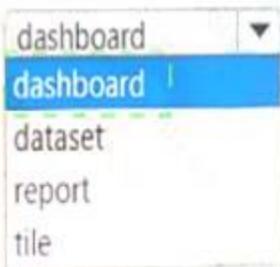
NEW QUESTION 120
Which statement is an example of Data Definition Language (DDL)?

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

Answer: D

NEW QUESTION 123
Select the answer that correctly completes the sentence.

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.
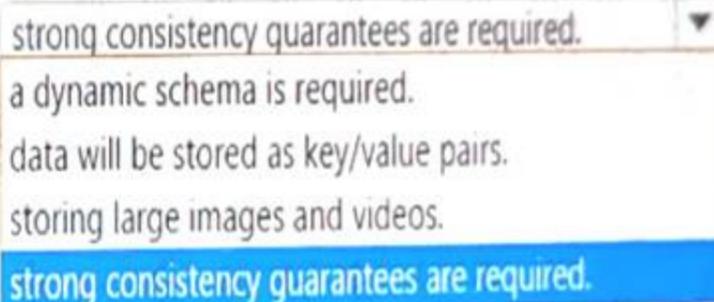
A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

A relational database must be used when | strong consistency quarantees are required. ▼
a dynamic schema is required.
data will be stored as key/value pairs.
storing large images and videos.
strong consistency quarantees are required.

NEW QUESTION 125

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 129

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.	○	○
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:

Answer Area

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.	○	⦿

NEW QUESTION 132

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.	○	○
Azure Analysis Services is used for transactional workloads.	○	○
Azure Data Factory orchestrates data integration workflows.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
Azure Databricks is an Apache Spark-based collaborative analytics platform.	⦿	○
Azure Analysis Services is used for transactional workloads.	○	⦿
Azure Data Factory orchestrates data integration workflows.	⦿	○

NEW QUESTION 137

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

Statements	Yes	No
You must apply patches to Azure SQL databases regularly.	○	○
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:

Statements	Yes	No
You must apply patches 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 142

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 144

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 147

Match the types of data to the appropriate Azure data services.

To answer, drag the appropriate data types from the column on the left to its service on the right. Each data type may be used once, more than once, or not at all.
NOTE: Each correct match is worth one point.

Data Types	
Image files	Key/value pairs
Relationships between employees	

Answer Area	
Data Type	Azure Blob storage
Data Type	Azure Cosmos DB Gremlin API
Data Type	Azure Table storage

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Box 1: Image files
Azure Blob storage is suitable for image files. Box 2:Key/value pairs
Azure CosmosDB table API is a key-value storage hosted in the cloud. Box 3: Relationship between employees
One-to-many relationships between business domain objects occur frequently: for example, one department has many employees. There are several ways to implement one-to-many relationships in the Azure Table service.

NEW QUESTION 152
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 154
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 159
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 162
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.	○	○
Partition keys are used in Azure Cosmos DB to optimize queries.	○	○
Items contained in the same Azure Cosmos DB logical partition can have different partition keys.	○	○

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.	☐○	○
Partition keys are used in Azure Cosmos DB to optimize queries.	○	☐○
Items contained in the same Azure Cosmos DB logical partition can have different partition keys.	○	☐○

NEW QUESTION 164
You need to create an Azure Storage account.
Data in the account must replica outside the Azure region automatically.
Which two types of replica can you us for the storage account? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one pint.

A. read-access geo-redundant storage (RA_GRS)
B. zone-redundant storage (ZRS)
C. geo-redundant storage (GRS)
D. locally-redundant storage (LRS)

Answer: AC

Explanation:
- Azure Storage offers two options for copying your data to a secondary region: Geo-redundant storage (GRS)
- Geo-zone-redundant storage (GZRS)
With GRS or GZRS, the data in the secondary region isn't available for read or write access unless there is a failover to the secondary region. 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).

NEW QUESTION 168
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 172
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 176

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 180
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 183
Match the security components to the appropriate scenarios.
To answer, drag the appropriate component from the column on the left to its scenario on the right. Each
component may be used once, more than once, or not at all. NOTE: Each correct match is worth one point.

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 185
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 190
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 194
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 199
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 203
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 205
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 208
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 209
To complete the sentence, select the appropriate option in the answer area.

Transcribing audio files is an example of [▼] analytics.

| cognitive |
| descriptive |
| predictive |
| prescriptive |

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Transcribing audio files is an example of [▼] analytics.

| cognitive |
| descriptive |
| predictive |
| prescriptive |

NEW QUESTION 212
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 213
Which component of Azure Data Factory enables you to define a sequence of activities including for each iterators?

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

Answer: A

NEW QUESTION 214
What is a characteristic of non-relational data?

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

Answer: D

NEW QUESTION 219
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 221
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 224
To complete the sentence, select the appropriate option in the answer area.

Answer Area

A Microsoft Power BI [dashboard / interactive report / paginated report / subscription] enables users to create highly formatted, fixed-layout documents o[...]rchiving.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Paginated Reports
https://powerbi.microsoft.com/en-us/blog/announcing-paginated-reports-in-power-bi-general-availability/

NEW QUESTION 225
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 229
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.	○	○
Azure Synapse Analytics can be paused to reduce compute costs.	○	○
An Azure Synapse Analytics data warehouse has a fixed storage capacity.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
Azure Synapse Analytics scales storage and compute independently.	⬚○⬚	○
Azure Synapse Analytics can be paused to reduce compute costs.	⬚○⬚	○
An Azure Synapse Analytics data warehouse has a fixed storage capacity.	○	⬚○⬚

NEW QUESTION 234
You need to design and model a database by using a graphical tool that supports project-oriented offline database development.
What should you use?

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

Answer: A

NEW QUESTION 235
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			Azure Data Explorer
KQL			Azure Stream Analytics
Python			Azure Synapse Analytics
SQL			

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 236
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	○	○
Azure Synapse Analytics can be paused to reduce compute costs	○	○
An Azure Synapse Analytics data warehouse has a fixed storage capacity	○	○

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 241
To complete the sentence, select the appropriate option in the answer area.

A view
A clustered index
A stored procedure
A nonclustered index

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Text Description automatically generated

NEW QUESTION 245
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 246
To complement the sentence, select the appropriate option in the answer area.

Answer Area

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

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:

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.

NEW QUESTION 247
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 252
To complete the sentence, select the appropriate option in the answer area.

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:

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.

NEW QUESTION 254
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Statements	Yes	No
Azure Databricks can consume data from Azure SQL Database	○	○
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:
Box 1: Yes
Azure Databricks can consume data from SQL Databases using JDBC and from SQL Databases using the Apache Spark connector.
The Apache Spark connector for Azure SQL Database and SQL Server enables these databases to act as input data sources and output data sinks for Apache Spark jobs.
Box 2: Yes
You can stream data into Azure Databricks using Event Hubs. Box 3: Yes
You can run Spark jobs with data stored in Azure Cosmos DB using the Cosmos DB Spark connector. Cosmos can be used for batch and stream processing, and as a serving layer for low latency access.
You can use the connector with Azure Databricks or Azure HDInsight, which provide managed Spark clusters on Azure.

NEW QUESTION 255
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 260
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 264
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 268
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 270
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 273
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 276
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 279
Select the answer that correctly completes the sentence.

Answer Area

Azure Synapse Analytics ▼	is a platform as a service (PaaS) relational data service that uses massively parallel processing (MPP).
Azure SQL Database	
Azure Synapse Analytics	
Azure Database for MariaDB	
SQL Server on Azure virtual machines	

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Azure Synapse Analytics ▼	is a platform as a service (PaaS) relational data service that uses massively parallel processing (MPP).
Azure SQL Database	
Azure Synapse Analytics	
Azure Database for MariaDB	
SQL Server on Azure virtual machines	

NEW QUESTION 283
Select the answer that correctly completes the sentence.

Answer Area

The massively parallel processing (MPP) engine

of Azure Synapse Analytics [▼]

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

The massively parallel processing (MPP) engine

of Azure Synapse Analytics [distributes processing across compute nodes. ▼]

NEW QUESTION 286
You have an application that runs on Windows and requires across 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 287
Select the answer that correctly completes the sentence.

Answer Area

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

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

When using the Azure Cosmos DB Gremlin API, the container resource type is projected as a [graph. ▼]

NEW QUESTION 290
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
When ingesting data from Azure Data Lake Storage across Azure regions, you will incur costs for bandwidth.	○	○
You can use blob, table, and file storage in the same Azure Storage account.	○	○
You implement Azure Data Lake Storage by creating an Azure Storage account.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
When ingesting data from Azure Data Lake Storage across Azure regions, you will incur costs for bandwidth.	⊙	○
You can use blob, table, and file storage in the same Azure Storage account.	⊙	○
You implement Azure Data Lake Storage by creating an Azure Storage account.	⊙	○

NEW QUESTION 295
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 297
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 298
You need to perform hybrid transactional and analytical processing (HTAP) queries against Azure Cosmos DB data sources by using Azure Synapse Analytics.
What should you use?

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

Answer: C

NEW QUESTION 303
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 304
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 307
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.	○	○
You can use Microsoft SQL Server Management Studio (SSMS) to query an Azure Synapse Analytics data warehouse.	○	○
You can use MySQL Workbench to query Azure Database for MariaDB databases.	○	○

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.	◯	○
You can use Microsoft SQL Server Management Studio (SSMS) to query an Azure Synapse Analytics data warehouse.	◯	○
You can use MySQL Workbench to query Azure Database for MariaDB databases.	◯	○

NEW QUESTION 308
Select the answer that correctly completes the sentence.

Answer Area

| A view ▼ | presents content defined by a query. |

```
A view              ▼
  A heap
  A stored procedure
  A view
  An index
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

| A view ▼ | presents content defined by a query. |

```
A view              ▼
  A heap
  A stored procedure
  A view
  An index
```

NEW QUESTION 309
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.	○	○
Azure Table storage within a single Azure Storage account supports multiple concurrent writes in different Azure regions.	○	○
An Azure Cosmos DB account that uses the Table API supports multiple concurrent reads in different Azure regions.	○	○
An Azure Cosmos DB account that uses the Table API supports multiple concurrent writes in different Azure regions.	○	○

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 314
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 316
Select the answer that correctly completes the sentence.

Answer Area

In a relational database, each row in a table has [_____ ▼] .

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Answer as below.

Answer Area

In a relational database, each row in a table has [a key-value pair ▼] .

NEW QUESTION 319
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.	○	○
Batch processing can output data to a relational database	○	○
Batch processing can output data to a NoSQL database.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
Batch processing can output data to a file store.	⊙	○
Batch processing can output data to a relational database	⊙	○
Batch processing can output data to a NoSQL database.	○	⊙

NEW QUESTION 321
Select the answer that correctly completes the sentence.

Answer Area

Relational data is stored in | a tabular form of rows and columns. ▼ |
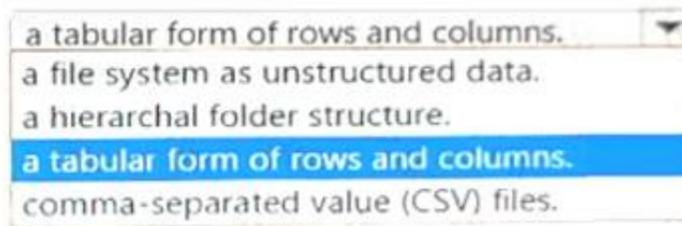
- a tabular form of rows and columns.
- a file system as unstructured data.
- a hierarchal folder structure.
- **a tabular form of rows and columns.**
- comma-separated value (CSV) files.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Relational data is stored in | a tabular form of rows and columns. ▼ |
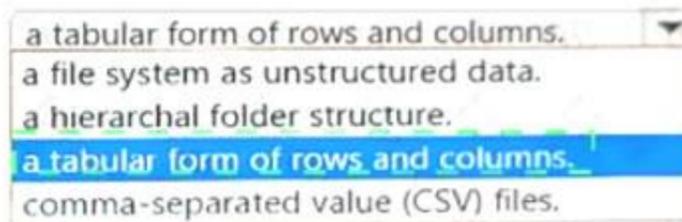
- a tabular form of rows and columns.
- a file system as unstructured data.
- a hierarchal folder structure.
- **a tabular form of rows and columns.**
- comma-separated value (CSV) files.

NEW QUESTION 323
You need to use Transact-SQL to query files in Azure Data Lake Storage from an Azure Synapse Analytics data warehouse.
What should you use to query the files?

A. Azure Functions
B. Microsoft SQL Server Integration Services (SSIS)
C. PolyBase
D. Azure Data Factory

Answer: C

NEW QUESTION 327
Which T-SQL statement should be used to instruct a database management system to use an index instead of performing a full table scan?

A. WHERE
B. SELECT
C. JOIN

Answer: B

NEW QUESTION 330
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 333
A data engineer is responsible for which task?

A. Design and build analytical models.
B. Design and implement data stores for analytical workloads.
C. Explore data to identify trends.
D. Implement policies, tool
E. and processes for backup and recovery plans.

Answer: A

NEW QUESTION 335
......

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