

Exam Questions DP-900

Microsoft Azure Data Fundamentals

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



NEW QUESTION 1

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

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

Answer: A

Explanation:

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

NEW QUESTION 2

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

Creating closed caption text for audio files is an example of

cognitive

descriptive

predictive

prescriptive

analytics.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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



Descriptive

What's happening?



Diagnostic

Why's happening?



Predictive

What will happen?



Prescriptive

What actions should we take?

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

NEW QUESTION 3

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 4

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

In Azure Data Factory, you can use

a control flow

a dataset

a linked service

an integration runtime

to orchestrate pipeline

activities that depend on the output of other pipeline activities.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

In Azure Data Factory, you can use

a control flow

a dataset

a linked service

an integration runtime

to orchestrate pipeline

activities that depend on the output of other pipeline activities.

NEW QUESTION 5

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 6

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 7

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 8

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 9

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 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.

Answer Area			
	Statements	Yes	No
	Normalizing a database increases the throughput of writing transactions.	<input type="radio"/>	<input type="radio"/>
	Analytics systems are more normalized than transactional systems.	<input type="radio"/>	<input type="radio"/>
	Normalizing a database results in queries that require more joins.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 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
Platform as a service (PaaS) database offerings in Azure require less setup and configuration effort than infrastructure as a service (IaaS) database offerings.	<input type="radio"/>	<input type="radio"/>
Platform as a service (PaaS) database offerings in Azure provide administrators with the ability to control and update the operating system version.	<input type="radio"/>	<input type="radio"/>
All platform as a service (PaaS) database offerings in Azure can be paused to reduce costs.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

Box 1: Yes

Like IaaS, PaaS includes infrastructure – servers, storage, and networking – but also middleware, development tools, business intelligence (BI) services, database management systems, and more. PaaS is designed to support the complete web application lifecycle: building, testing, deploying, managing, and updating. PaaS allows you to avoid the expense and complexity of buying and managing software licenses, the underlying application infrastructure and middleware, container orchestrators such as Kubernetes, or the development tools and other resources

Box 2: Yes

You manage the applications and services you develop, and the cloud service provider typically manages everything else.



Box 3: No

There really is no way to pause / stop billing for your Azure SQL Database.

Microsoft's official answer "Yes, you can export your database. Delete the Azure SQL database and that will pause billing. Then when you need it you can create a new database and import your previously exported DB."

NEW QUESTION 12

What is a characteristic of a non-relational database?

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

Answer: C

NEW QUESTION 14

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 18

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

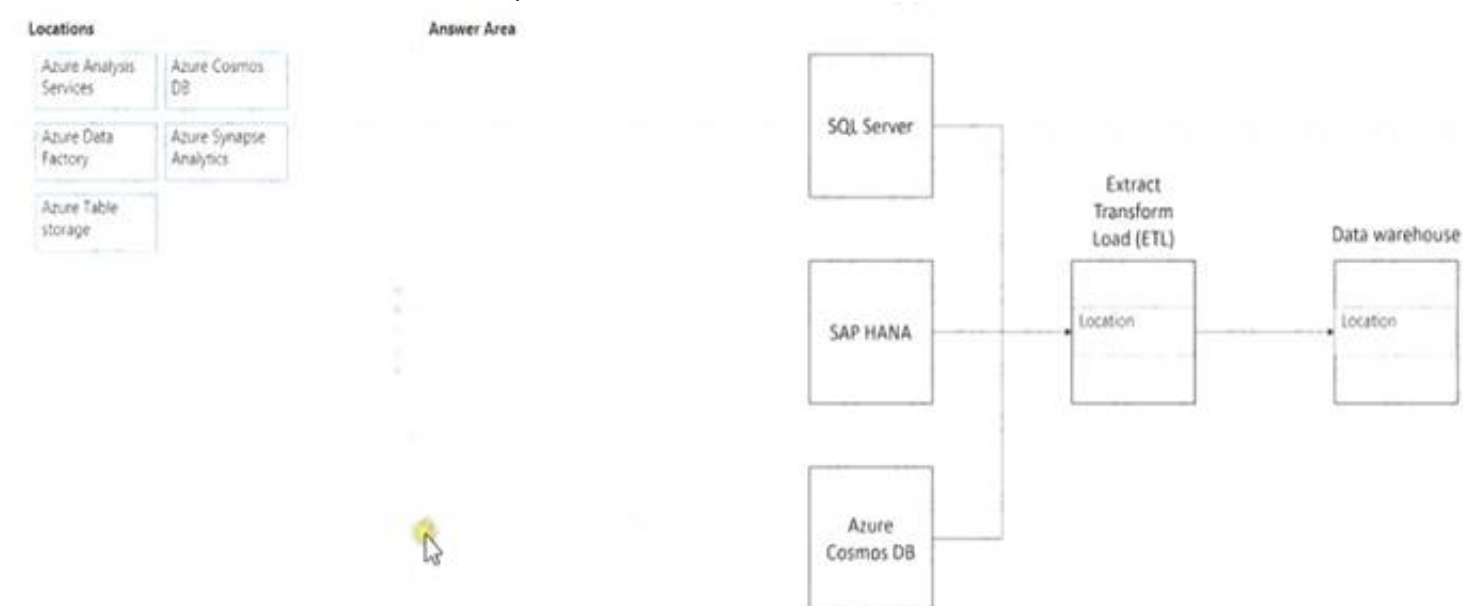
Answer: C

NEW QUESTION 22

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

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

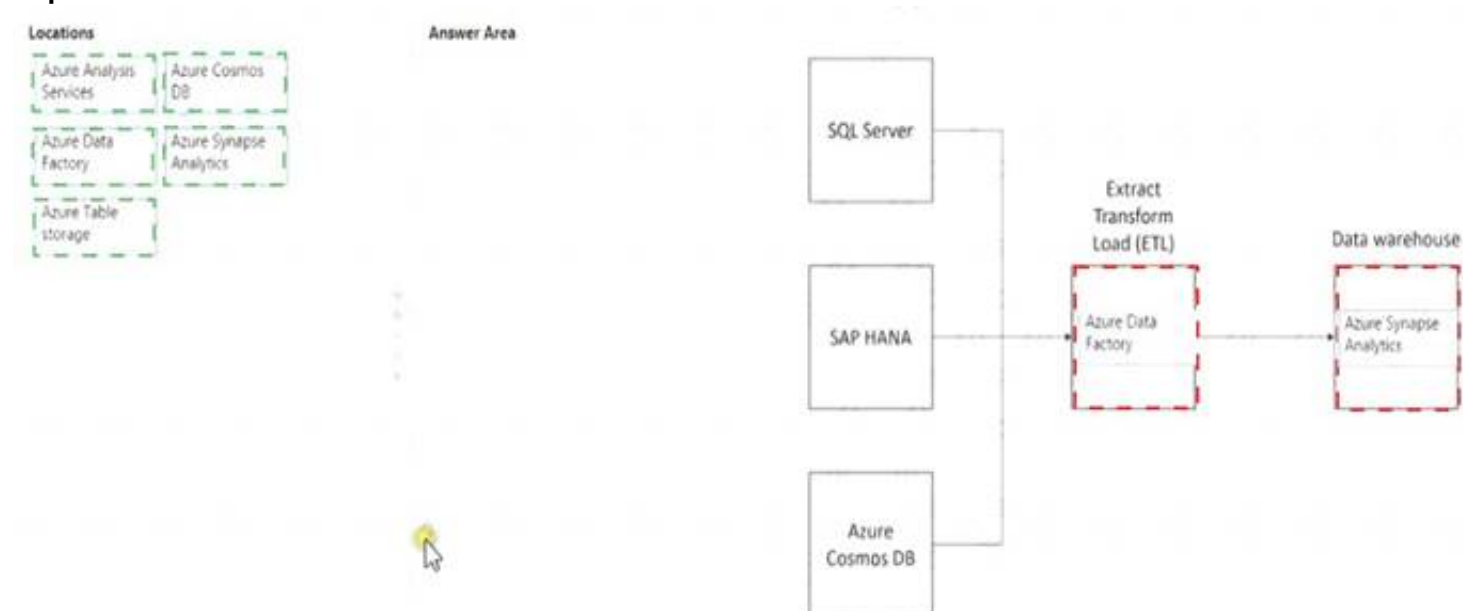
NOTE: Each correct match is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 24

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 26

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 29

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

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

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

NEW QUESTION 34

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 38

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 39

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

A heap

A stored procedure

A view

An index

presents content defined by a query.

- A. Mastered

B. Not Mastered

Answer: A

Explanation:
A View

NEW QUESTION 44

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.	<input type="radio"/>	<input type="radio"/>
Batch processing must occur immediately and have latency in the order of seconds or milliseconds.	<input type="radio"/>	<input type="radio"/>
Stream processing is used for simple response functions, aggregates, or calculations such as rolling averages.	<input type="radio"/>	<input type="radio"/>

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 47

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 49

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

<div><div></div><div>A clustered index</div><div>A FileTable</div><div>A foreign key</div><div>A stored procedure</div></div>	is an object associated with a table that sorts and stores the data rows in the table based on their key values.
---	--

A. Mastered
B. Not Mastered

Answer: A

<div><div></div><div>A clustered index</div><div>A FileTable</div><div>A foreign key</div><div>A stored procedure</div></div>	is an object associated with a table that sorts and stores the data rows in the table based on their key values.
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NEW QUESTION 50

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

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

Answer: A

NEW QUESTION 52

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 57

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 59

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

NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application Description automatically generated

Box 1: No

You can duplicate a dashboard. The duplicate ends up in the same Power BI workspace.

There is no current functionality that allows you to move reports from one workspace to another.

Box 2: No

Box 3: Yes

NEW QUESTION 62

Select the answer that correctly completes the sentence.

Answer Area

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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

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

NEW QUESTION 67

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 72

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

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 76

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

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 83

What is required to provision Azure Data Lake Storage in an Azure Storage account?

- A. Versioning must be enabled.
- B. Hierarchical namespace must be enabled.
- C. Hierarchical namespace must be disabled.
- D. Versioning must be disabled.

Answer: B

NEW QUESTION 87

Select the answer that correctly completes the sentence.

Answer Area

In Microsoft Power BI, a

dashboard	▼
dashboard	
dataset	
report	
tile	

is a collection of visualizations that appear together on one or more pages.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 88

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

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

Answer: D

NEW QUESTION 93

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

Statements	Yes	No
Azure SQL Database includes a fully managed backup service.	<input type="radio"/>	<input type="radio"/>
Azure SQL Database has built-in high availability.	<input type="radio"/>	<input type="radio"/>
Azure SQL Database can use Azure Advanced Threat Protection (ATP).	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

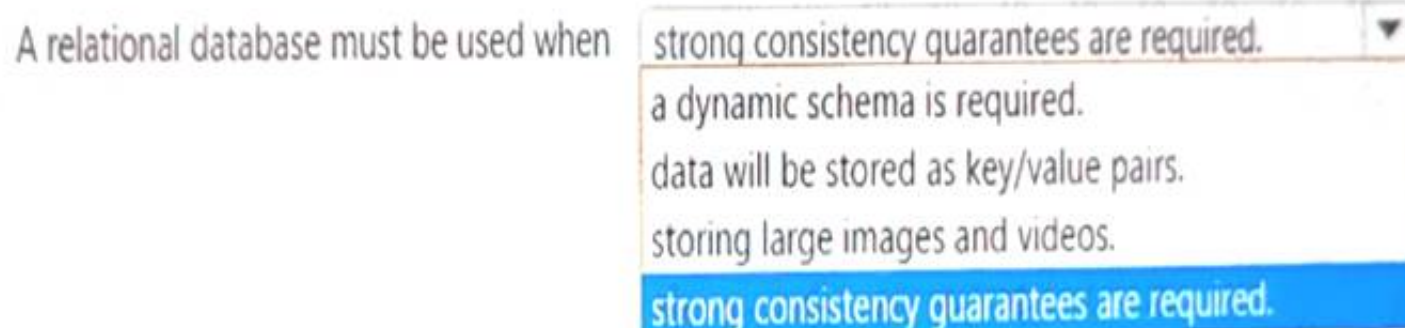
Explanation:

Statements	Yes	No
Azure SQL Database includes a fully managed backup service.	<input checked="" type="radio"/>	<input type="radio"/>
Azure SQL Database has built-in high availability.	<input checked="" type="radio"/>	<input type="radio"/>
Azure SQL Database can use Azure Advanced Threat Protection (ATP).	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 98

Select the answer that correctly completes the sentence.

Answer Area



- 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 99

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 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.

Answer Area

Statements	Yes	No
A pipeline is a representation of a data structure within Azure Data Factory.	<input type="radio"/>	<input type="radio"/>
Azure Data Factory pipelines can execute other pipelines.	<input type="radio"/>	<input type="radio"/>
A processing step within an Azure Data Factory pipeline is an activity.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
A pipeline is a representation of a data structure within Azure Data Factory.	<input type="radio"/>	<input checked="" type="radio"/>
Azure Data Factory pipelines can execute other pipelines.	<input checked="" type="radio"/>	<input type="radio"/>
A processing step within an Azure Data Factory pipeline is an activity.	<input type="radio"/>	<input checked="" type="radio"/>

NEW QUESTION 109

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

NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 113

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 118

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

Data Type

Data Type

Azure Blob storage

Azure Cosmos DB Gremlin API

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 121

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

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

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 122

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 124

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 126

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

A screenshot of a computer Description automatically generated with medium confidence

NEW QUESTION 128

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 131

Select the answer that correctly completes the sentence.

Answer Area

Microsoft SQL Server database tables store

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Microsoft SQL Server database tables store

NEW QUESTION 136

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 139

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 140

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 145

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 149

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 151

Your company needs to implement a relational database in Azure. The solution must minimize ongoing maintenance. Which Azure service should you use?

- A. Azure HDInsight
- B. Azure SQL Database
- C. Azure Cosmos DB
- D. SQL Server on Azure virtual machines

Answer: B

NEW QUESTION 156

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

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

Answer: A

Explanation:

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

NEW QUESTION 158

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 160

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

Transcribing audio files is an example of

	▼
cognitive	
descriptive	
predictive	
prescriptive	

 analytics.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Transcribing audio files is an example of _____ analytics.

cognitive

descriptive

predictive

prescriptive

NEW QUESTION 161

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 162

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

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

Answer: D

NEW QUESTION 165

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 166

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 Data Studio can be used to query an Azure SQL database from a device that runs macOS.	<input type="radio"/>	<input type="radio"/>
Microsoft SQL Server Management Studio (SSMS) enables users to create and use SQL notebooks.	<input type="radio"/>	<input type="radio"/>
Azure Data Studio can be used to restore a database.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes
Azure Data Studio is a cross-platform database tool for data professionals using on-premises and cloud data platforms on Windows, macOS, and Linux. You can use Azure Data Studio to connect to an Azure SQL Database server. You'll then run Transact-SQL (T-SQL) statements to create and query Azure SQL databases.
Box 2: No
SQL Server Management Studio is for configuring, managing, and administering all components within Microsoft SQL Server, not to create SQL notebooks. Instead use Azure Data Studio to create SQL notebook. Box 3: Yes
You can use the Azure Data Studio to restore databases.

NEW QUESTION 169

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes
Tables are database objects that contain all the data in a database. In tables, data is logically organized in a row-and-column format similar to a spreadsheet. Each row represents a unique record, and each column represents a field in the record.
Box 2: No
An index is an on-disk structure associated with a table or view that speeds retrieval of rows from the table or view.
Box 3: Yes
A view is a virtual table whose contents are defined by a query. Like a table, a view consists of a set of named columns and rows of data.

NEW QUESTION 173

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

A heap

A stored procedure

A view

An index

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

A heap

A stored procedure

A view

An index

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

NEW QUESTION 177

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

When provisioning an Azure Cosmos DB

account

container

database

item

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
Table Description automatically generated

NEW QUESTION 182
To complete the sentence, select the appropriate option in the answer area.

Answer Area

A Microsoft Power BI dashboard enables users to create highly formatted, fixed-layout documents or interactive report archiving.

paginated report
subscription

- 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 185
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

BatchStreaming

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 186
To complete the sentence, select the appropriate option in the answer area.

Answer Area

Relational data uses

collections
columns
keys
partitions

to enforce relationships between different tables.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Relational data uses

collections
columns
keys
partitions

to enforce relationships between different tables.

NEW QUESTION 190

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 195

Match the terms to the appropriate descriptions.

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

NOTE: Each correct match is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 199

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

NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes

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

Box 2: Yes

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

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

Box 3: No

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

NEW QUESTION 203

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

Services

Azure Data Factory

Azure Data Lake Storage

Azure SQL Database

Azure Synapse Analytics

Answer Area

Service

Service

Service

Output data to Parquet format

Store data that is in Parquet format

Persist a tabular representation of data that is stored in Parquet format

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
Box 1: Azure Data Factory
Box 2: Azure Data Lake Storage
Azure Data Lake Storage (ADLA) now natively supports Parquet files. ADLA adds a public preview of the native extractor and outputter for the popular Parquet file format
Box 3: Azure Synapse Analytics
Use Azure Synapse Analytics Workspaces.

NEW QUESTION 204

A team of developers has computers Thai run Windows 10 and Ubuntu Desktop.
The developers need to connect to and query an Azure SQL database from the computers. The developers require code assistance features such as intellSense.
What should the developers use ?

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

Answer: A

Explanation:
Azure Data Studio is a cross-platform database tool for data professionals who use on-premises and cloud data platforms on Windows, macOS, and Linux. Azure Data Studio offers a modern editor experience with IntelliSense, code snippets, source control integration, and an integrated terminal.

NEW QUESTION 207

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 209

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

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:

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.

NEW QUESTION 214

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 217

Select the answer that correctly completes the sentence.

Answer Area

In a relational database, the

primary key

foreign key

primary key

WHERE clause

nonclustered index

uniquely identifies each row in a table.

- A. Mastered

B. Not Mastered

Answer: A

Explanation:

Answer Area

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

primary key

foreign key

primary key

WHERE clause

nonclustered index

NEW QUESTION 222

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

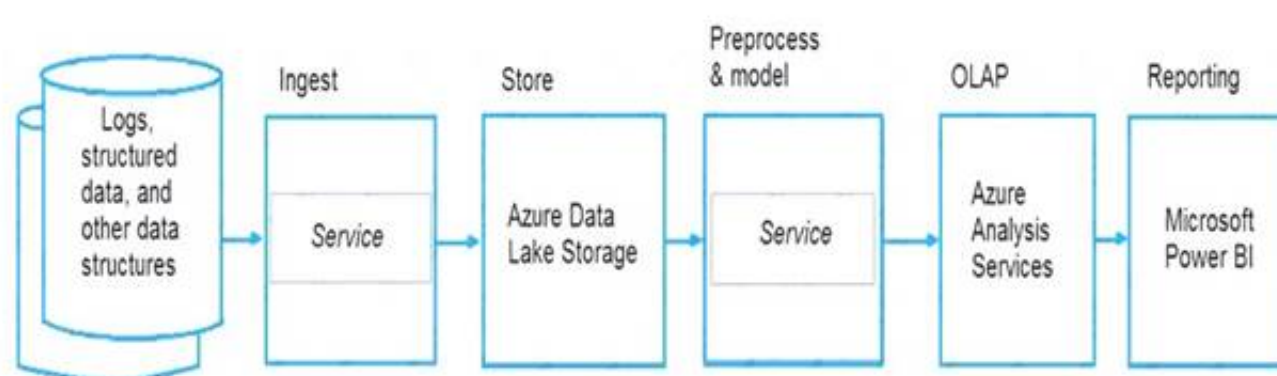
To answer, drag the appropriate service from the column on the left to its location on the right. Each service may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Services

Answer Area

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



A. Mastered

B. Not Mastered

Answer: A

Explanation:

Box Ingest: Azure Data Factory

You can build a data ingestion pipeline with Azure Data Factory (ADF). Box Preprocess & model: Azure Synapse Analytics

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

NEW QUESTION 227

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 232

Your company needs to design a database that shows how changes traffic in one area of a network affect other components on the network.

Which type of data store should you use?

- A. Key/value
- B. Graph
- C. Document
- D. columnar

Answer: B

Explanation:

Data as it appears in the real world is naturally connected. Traditional data modeling focuses on defining entities separately and computing their relationships at runtime. While this model has its advantages, highly connected data can be challenging to manage under its constraints.

A graph database approach relies on persisting relationships in the storage layer instead, which leads to highly efficient graph retrieval operations. Azure Cosmos DB's Gremlin API supports the property graph model.

NEW QUESTION 236

Select the answer that correctly completes the sentence.

Answer Area

▼ is a platform as a service (PaaS) relational data service that uses massively parallel processing (MPP).

Azure Synapse Analytics
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

▼ is a platform as a service (PaaS) relational data service that uses massively parallel processing (MPP).

Azure Synapse Analytics
Azure SQL Database
Azure Synapse Analytics
Azure Database for MariaDB
SQL Server on Azure virtual machines

NEW QUESTION 239

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 242

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

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

Answer: BC

Explanation:

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

SQL Database delivers predictable performance with multiple resource types, service tiers, and compute sizes. It provides dynamic scalability with no downtime, built-in intelligent optimization, global scalability and availability, and advanced security options. These capabilities allow you to focus on rapid app development and accelerating your time-to-market, rather than on managing virtual machines and infrastructure.

NEW QUESTION 244

Select the answer that correctly completes the sentence.

Answer Area

An Azure Storage account must have

▼ enabled to support Azure Data Lake Storage.

Blob soft delete
Hierarchical namespace
Large file shares
Versioning

- A. Mastered
- B. Not Mastered

Answer: A

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

NEW QUESTION 245

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.	<input type="radio"/>	<input type="radio"/>
Azure SQL managed instance supports user-created backups.	<input type="radio"/>	<input type="radio"/>
Azure SQL managed instance databases can be restored to SQL Server on an Azure virtual machine.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Answer Area

Statements	Yes	No
Azure SQL managed instance supports cross-database queries.	<input checked="" type="radio"/>	<input type="radio"/>
Azure SQL managed instance supports user-created backups.	<input type="radio"/>	<input checked="" type="radio"/>
Azure SQL managed instance databases can be restored to SQL Server on an Azure virtual machine.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 250

Select the answer that correctly completes the sentence.

Answer Area

A view

A heap

A stored procedure

A view

An index

presents content defined by a query.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A view
A heap
A stored procedure
A view
An index

presents content defined by a query.

NEW QUESTION 255

Select the answer that correctly completes the sentence.

Answer Area

A block of code that runs in a database is called

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A block of code that runs in a database is called

a stored procedure.

NEW QUESTION 258

Select the answer that correctly completes the sentence.

A

line chart
matrix
scatter
treemap

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

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

NEW QUESTION 263

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

Answer Area

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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

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

NEW QUESTION 264

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 267

Select the answer that correctly completes the sentence.

Answer Area

Relational data is stored in

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

NEW QUESTION 271

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

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

Answer: C

Explanation:

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

NEW QUESTION 273

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