

DP-900 Dumps

Microsoft Azure Data Fundamentals

<https://www.certleader.com/DP-900-dumps.html>



NEW QUESTION 1

Select the answer that correctly completes the sentence.

Select the answer that correctly completes the sentence.



Answer Area

Microsoft Power BI Desktop

Microsoft Power BI Desktop

The Microsoft Power BI service

The Microsoft Power BI phone app

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Text, letter Description automatically generated

NEW QUESTION 2

You plan to deploy a PostgreSQL database to Azure.

Which hosting model corresponds to the available deployment options? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

PostgreSQL on Azure VMs:

Infrastructure as a service (IaaS)

Platform as a service (PaaS)

Software as a service (SaaS)

Azure Database for PostgreSQL:

Infrastructure as a service (IaaS)

Platform as a service (PaaS)

Software as a service (SaaS)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application, chat or text message Description automatically generated

NEW QUESTION 3

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



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 4

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

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

a control flow

a dataset

a linked service

an integration runtime

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

a control flow

a dataset

a linked service

an integration runtime

NEW QUESTION 5

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
Column family databases
Document databases
Graph databases
Key-value stores

natively support the analysis of relationships between entities.

NEW QUESTION 6

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 7

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

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

Which type of data store should you use?

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

Answer: D

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

Which type of database contains nodes and edges?

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

Answer: A

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.

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 15

Match the types of data stores to the appropriate scenarios.

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

NOTE: Each correct match is worth one point.

Data Store Types	Answer Area
Graph	<input type="text"/> Application users and their default language
Object	<input type="text"/> Medical images and their associated metadata
Key/value	<input type="text"/> Employee data that shows the relationships between employees

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Data Store Types

Answer Area

Graph
Object
Key/value

Key/value
Object
Graph

Application users and their default language

Medical images and their associated metadata

Employee data that shows the relationships between employees

NEW QUESTION 17

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

NOTE: Each correct selection is worth one point.

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 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 23

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: No

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

Box 2: Yes

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

Box 3: No

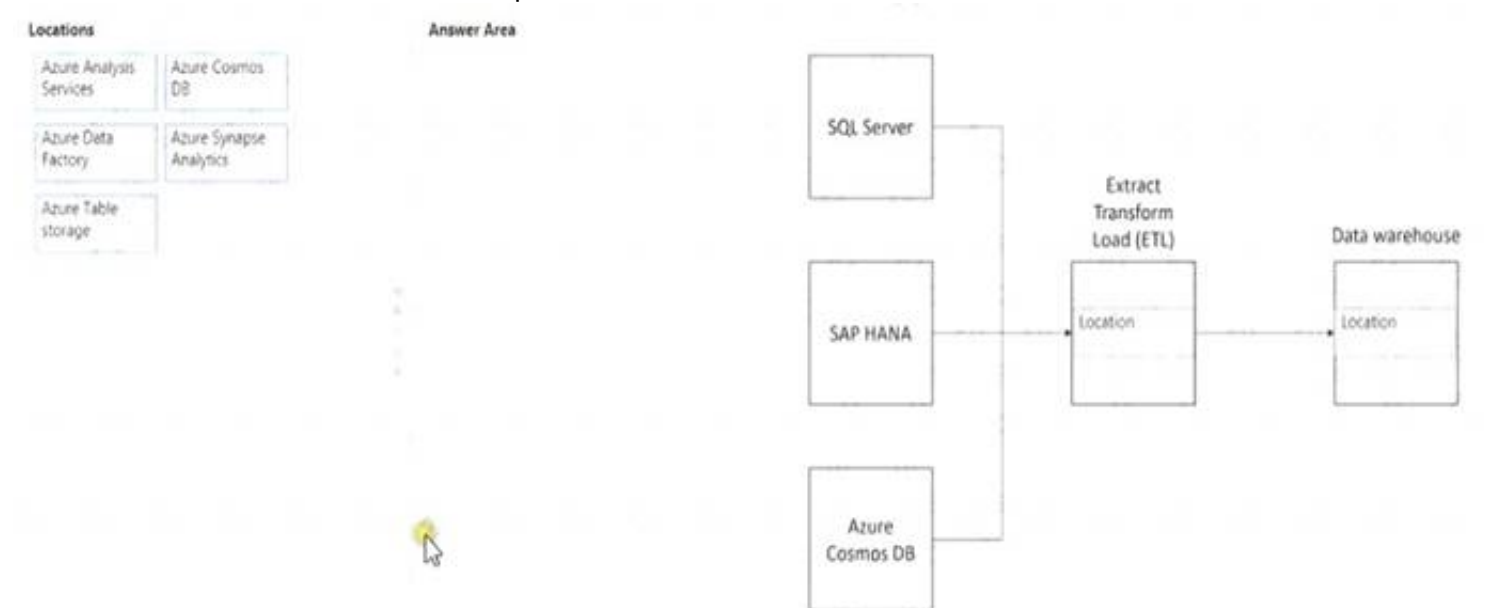
Logical partitions are formed based on the value of a partition key that is associated with each item in a container.

NEW QUESTION 26

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.

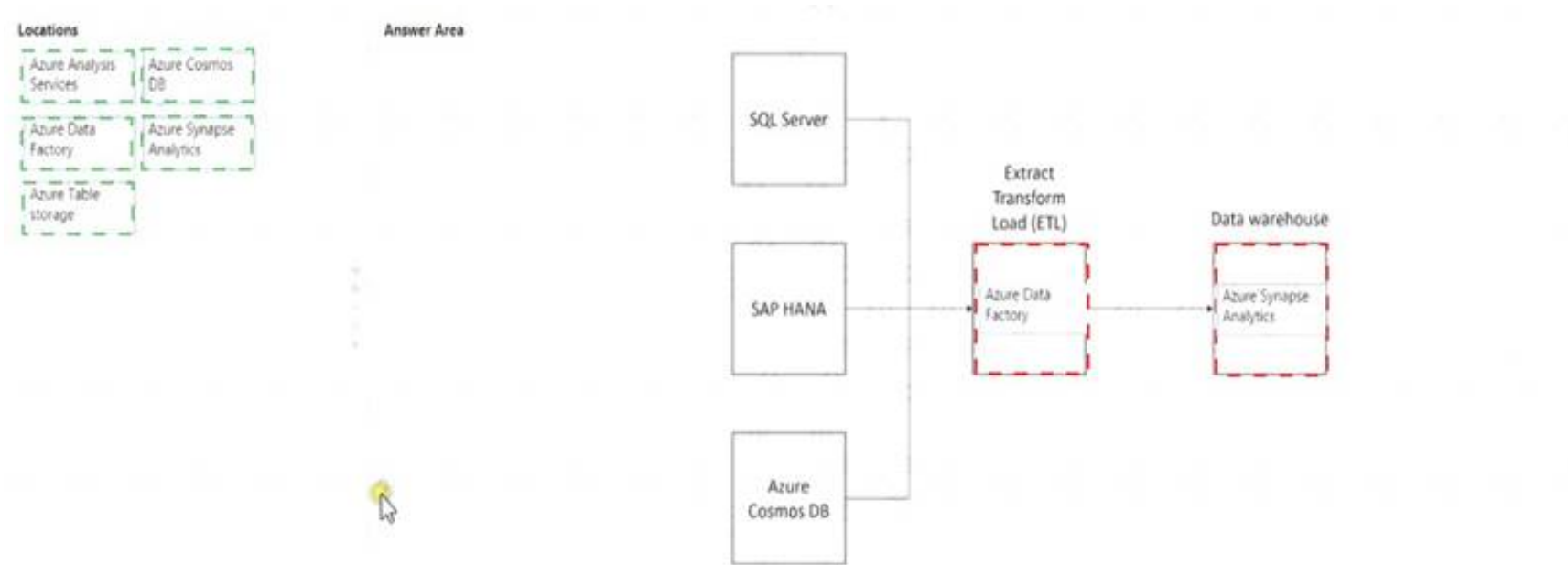
NOTE: Each correct match is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 31

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

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

Answer: C

Explanation:

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

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

NEW QUESTION 32

Which property of a transactional workload guarantees that each transaction is treated as a single unit that either succeeds completely or fails completely?

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

Answer: D

NEW QUESTION 33

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:

Text Description automatically generated with medium confidence

When you create a new server in Azure SQL Database or Azure Synapse Analytics named mysqlserver, for example, a server-level firewall blocks all access to the public endpoint for the server

NEW QUESTION 37

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 38

Select the answer that correctly completes the sentence.

Answer Area

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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

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

NEW QUESTION 40

Match the tools to the appropriate descriptions.

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

NOTE: Each correct match is worth one point.

Tools

Azure Data Studio

Microsoft SQL Server Data Tools (SSDT)

Microsoft SQL Server Management Studio (SSMS)

Microsoft Visual Studio Code

Answer Area

Tool

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

Tool

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

Tool

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

Tool

A development tool for building Azure SQL databases, Microsoft SQL Server relational databases, SQL Server Analysis Services (SSAS) data models, SQL Server Integration Services (SSIS) packages, and SQL Server Reporting Services (SSRS) reports

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 43

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes

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

Box 2: Yes

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

Box 3: No

NEW QUESTION 47

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

- A. You need to generate reports without affecting the transactional workload.
- B. You need to audit the transactional application.
- C. You need to implement high availability in the event of a regional outage

D. You need to improve the recovery point objective (RPO).

Answer: A

Explanation:

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

NEW QUESTION 49

Your company is designing a database that will contain session data for a website. The data will include notifications, personalization attributes, and products that are added to a shopping cart.

Which type of data store will provide the lowest latency to retrieve the data?

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

Answer: C

NEW QUESTION 54

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

Answer Area

Statements	Yes	No
Azure Data Studio can be used to query an Azure SQL database from a device that runs macOS.	<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:

Answer Area

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

NEW QUESTION 57

Select the answer that correctly completes the sentence.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Backing up and restoring data are the responsibilities of a .

NEW QUESTION 59

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

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

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

Explanation:

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

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

NEW QUESTION 62

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 63

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 65

Your company plans to load data from a customer relationship management (CRM) system to a data warehouse by using an extract load, and transform (ELT) process.

Where does data processing occur for each stage of the ELT process? To answer, drag the appropriate locations to the correct. Each location may be used 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.

Locations	Answer Area
An in-memory data integration tool	Extract: Location
The CRM system	Load: Location
The data warehouse	Transform: Location

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

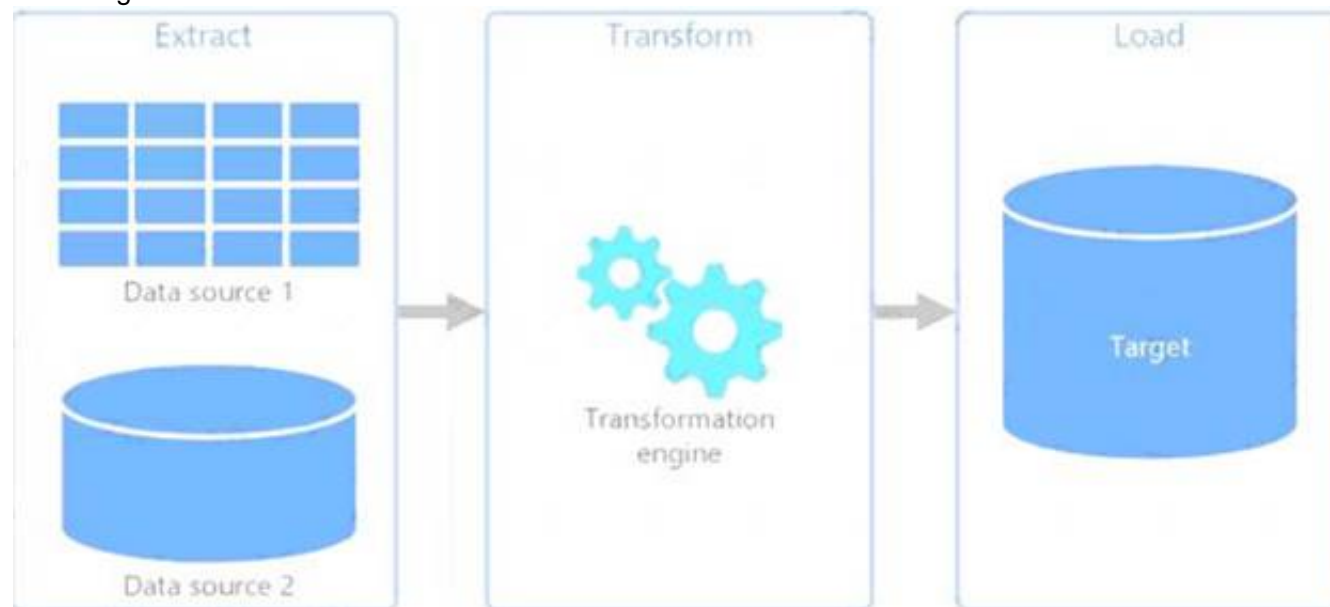
Box 1: The CRM system

Data is extracted from the CRM system. Box 2: The data warehouse

Data is loaded to the data warehouse.

Box 3: An in-memory data integration tool

The data transformation that takes place usually involves various operations, such as filtering, sorting, aggregating, joining data, cleaning data, deduplicating, and validating data.



NEW QUESTION 69

Which three objects can be added to a Microsoft Power BI dashboard? Each correct answer presents a complete solution. (Choose three.)

NOTE: Each correct selection is worth one point.

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

Answer: ACE

NEW QUESTION 70

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 71

Which two activities can be performed entirely by using the Microsoft Power BI service? Each correct answer presents a complete solution. (Choose two.)

NOTE: Each correct selection is worth one point.

- A. report and dashboard creation
- B. report sharing and distribution
- C. data modeling
- D. data acquisition and preparation

Answer: AD

NEW QUESTION 76

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 81

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 Databricks can consume data from Azure SQL Database.	<input type="radio"/>	<input type="radio"/>
Azure Databricks can consume data from Azure Event Hubs.	<input type="radio"/>	<input type="radio"/>
Azure Databricks can consume data from Azure Cosmos DB.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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

NEW QUESTION 86

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 91

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

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

Answer: D

Explanation:

You must create a separate account for each API.

NEW QUESTION 94

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 96

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

NOTE: Each correct selection is worth one point.

Statements	Yes	No
A pipeline is a representation of a data structure within Azure Data Factory	<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:

Box 1: No

A pipeline is a logical grouping of activities that together perform a task.

Box 2: Yes

You can construct pipeline hierarchies with data factory.

Box 3: Yes

A pipeline is a logical grouping of activities that together perform a task.

NEW QUESTION 100

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 103

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 104

Select the answer that correctly completes the sentence.

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.

- 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 107

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

Answer Area

Statements	Yes	No
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

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

Azure Data Factory pipelines can execute other pipelines.

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

Yes No

☐ ☒

☒ ☐

☐ ☒

NEW QUESTION 111

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 116

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	Answer Area
Image files	Data Type Azure Blob storage
Key/value pairs	Data Type Azure Cosmos DB Gremlin API
Relationships between employees	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 119

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

Which type of authentication should you use?

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

Answer: B

NEW QUESTION 124

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

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

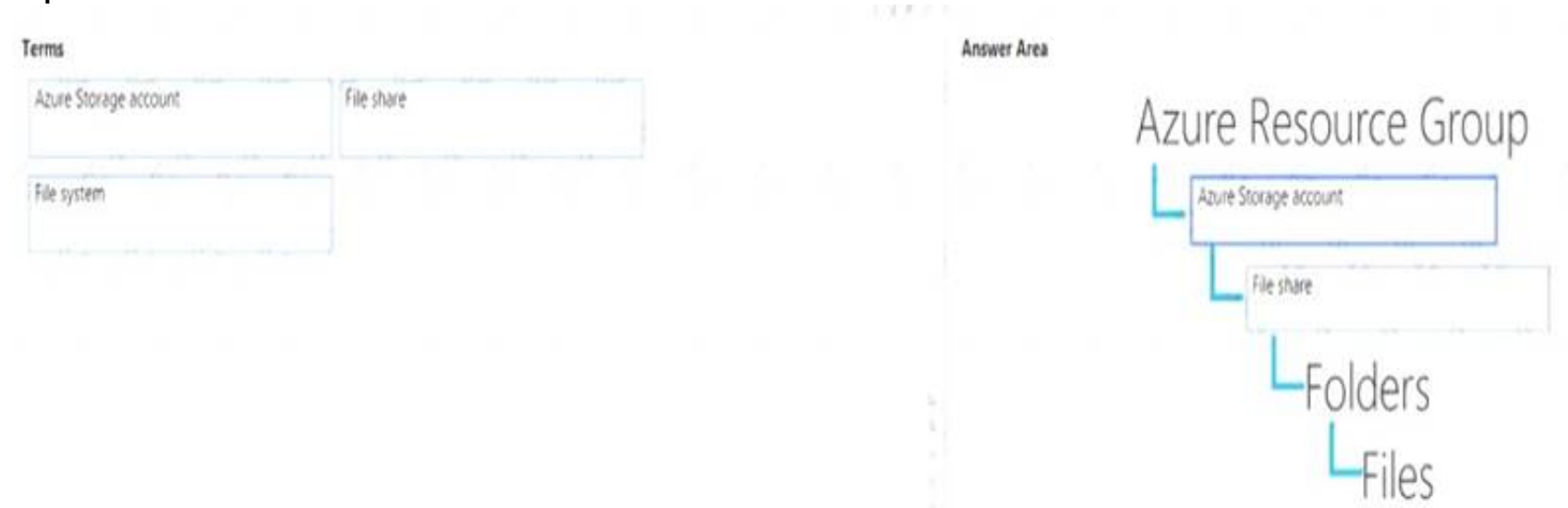
NOTE: Each correct match is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



Box 1: Azure Storage account

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

Box 2: File share

NEW QUESTION 129

Select the answer that correctly completes the sentence.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 134

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

Answer Area

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

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

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

NEW QUESTION 135

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 139

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 143

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 146

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

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

Answer: A

NEW QUESTION 148

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

NOTE: Each correct selection is worth one point.

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 150

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 152

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 157

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 160

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 161

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

NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 164

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

Answer Area

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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

NEW QUESTION 166

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 169

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

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

Answer: D

NEW QUESTION 173

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 174

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 178

You are writing a set of SQL queries that administrators will use to troubleshoot an Azure SQL database. You need to embed documents and query results into a SQL notebook. What should you use?

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

Answer: B

NEW QUESTION 183

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 186

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 or reports for archiving.

- 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 191

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 193

Select the answer that correctly completes the sentence.

Answer Area

A JSON document is an example of

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A JSON document is an example of

NEW QUESTION 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	<input type="text"/>

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 196

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 197

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

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

A view
A clustered index
A stored procedure
A nonclustered index

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
Text Description automatically generated

NEW QUESTION 198

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

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

Answer: D

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

NEW QUESTION 201

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 204

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 205

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 210

Select the answer that correctly completes the sentence.

In a SQL statement,



are examples of aggregate functions.

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

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Table Description automatically generated

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

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

NEW QUESTION 214

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

Answer Area

Transparent Data Encryption (TDE) encrypts

a column to protect data at rest and in transit.
queries and their results in order to protect data in transit.
the database to protect data at rest.
the server to protect data at rest.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Transparent Data Encryption (TDE) encrypts

a column to protect data at rest and in transit.
queries and their results in order to protect data in transit.
the database to protect data at rest.
the server to protect data at rest.

NEW QUESTION 215

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 219

Select the answer that correctly completes the sentence.

Answer Area

In a relational database, the

primary key ▼

foreign key

primary key

WHERE clause

nonclustered index

uniquely identifies each row in a table.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

In a relational database, the

primary key ▼

foreign key

primary key

WHERE clause

nonclustered index

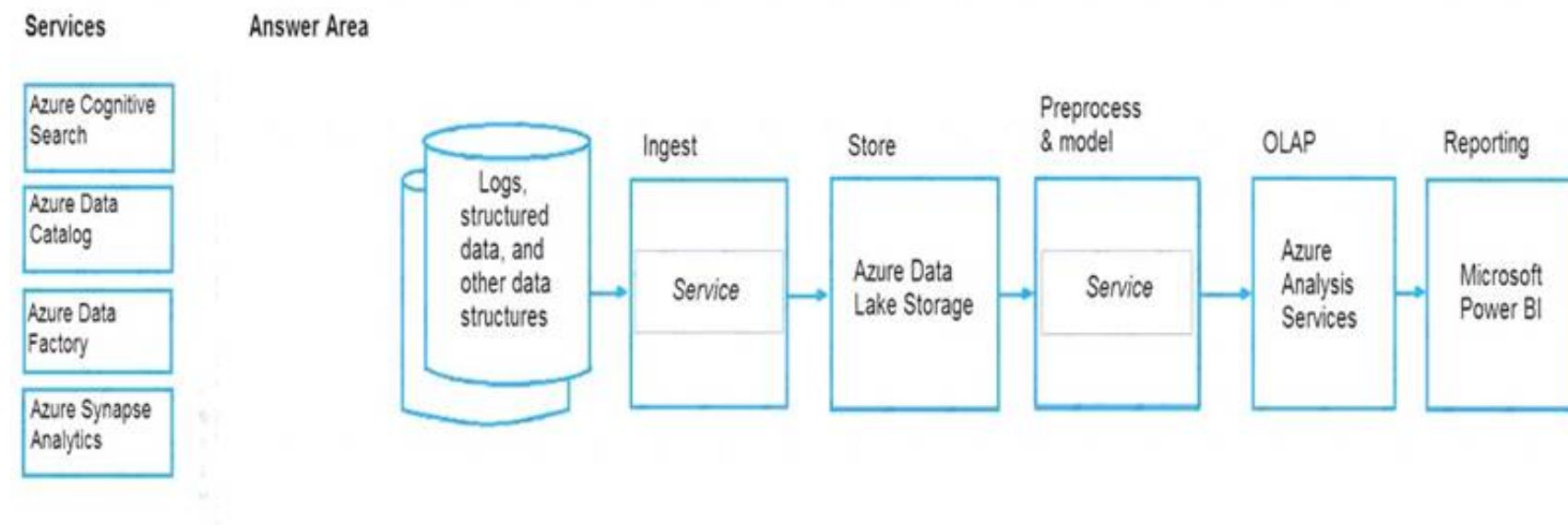
uniquely identifies each row in a table.

NEW QUESTION 223

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:

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 228

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 229

Select the answer that correctly completes the sentence.

Answer Area

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

optimized for transactions.

limited in size.

optimized for transactions.

pre-aggregated.

read-only.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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

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

NEW QUESTION 230

Select the answer that correctly completes the sentence.

Answer Area

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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

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

NEW QUESTION 234

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 237

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

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

Answer: A

NEW QUESTION 238

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

NEW QUESTION 239

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.	<input type="radio"/>	<input type="radio"/>
You can use blob, table, and file storage in the same Azure Storage account.	<input type="radio"/>	<input type="radio"/>
You implement Azure Data Lake Storage by creating an Azure Storage account.	<input type="radio"/>	<input type="radio"/>

- 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.	<input checked="" type="radio"/>	<input type="radio"/>
You can use blob, table, and file storage in the same Azure Storage account.	<input checked="" type="radio"/>	<input type="radio"/>
You implement Azure Data Lake Storage by creating an Azure Storage account.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 243

Which three actions are used when performing diagnostic analytics?

- A. • Identify data anomalies• Collect anomaly-related data• Discover relationships and trends that explain anomalies.
- B. • Identify data anomalies• Predict when anomalies are likely to recur• Use analytical tools such as decision trees and regression.
- C. • Apply self-learning loops to draw inferences from anomalies.• Predict when anomalies are likely to recur• Use analytical tools such as decision trees and

regression.
D. • Identify data anomalies• Use machine learning to find patterns in large datasets. • Discover relationships and trends that explain anomalies.

Answer: A

NEW QUESTION 244

When can you use an Azure Resource Manager template?

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

Answer: A

Explanation:

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

NEW QUESTION 249

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 252

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

that the data target be a relational database.

Content Display

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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

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

a matching schema in the data source and the data target.

a target data store powerful enough to transform data.

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

that the data target be a relational database.

Content Display

NEW QUESTION 255

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 259

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 263

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 264

Select the answer that correctly completes the sentence.

Answer Area

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

- 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 268

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

Explanation:

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 273

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

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

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 278

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 279

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

Statements	Yes	No
Azure Table storage within a single Azure Storage account supports multiple concurrent reads in different Azure regions.	<input type="radio"/>	<input type="radio"/>
Azure Table storage within a single Azure Storage account supports multiple concurrent writes in different Azure regions.	<input type="radio"/>	<input type="radio"/>
An Azure Cosmos DB account that uses the Table API supports multiple concurrent reads in different Azure regions.	<input type="radio"/>	<input type="radio"/>
An Azure Cosmos DB account that uses the Table API supports multiple concurrent writes in different Azure regions.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Text Description automatically generated

Box 1: Yes

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

Box 2: No

Box 3: Yes

Box 4: Yes

Azure Cosmos DB supports multi-region writes.

NEW QUESTION 284

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 286

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

In batch processing,

data is always inserted one row at a time.

data is processed in real-time.

latency is expected.

processing can only execute serially.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

In batch processing,

data is always inserted one row at a time.

data is processed in real-time.

latency is expected.

processing can only execute serially.

NEW QUESTION 288

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

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

Answer: D

NEW QUESTION 290

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 294

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

Answer Area

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 297

Match the Azure services to appropriate requirements.

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

NOTE: Each correct match is worth one point.

Azure Services	Answer Area
Azure Data Factory	Azure Service Output data to Parquet format.
Azure Data Lake Storage	Azure Service Store data that is in Parquet format.
Azure SQL Database	Azure Service Persist a tabular representation of data that is stored in Parquet format.
Azure Synapse Analytics	

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Azure Services	Answer Area
Azure Data Factory	Azure Data Factory Output data to Parquet format.
Azure Data Lake Storage	Azure Data Lake Storage Store data that is in Parquet format.
Azure SQL Database	Azure Synapse Analytics Persist a tabular representation of data that is stored in Parquet format.
Azure Synapse Analytics	

NEW QUESTION 301

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 305

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 309

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 313

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.

Terms

Index
View
Table

Answer Area

<input type="text"/>	A database object that holds data
<input type="text"/>	A database object whose content is defined by a query
<input type="text"/>	A database object that helps improve the speed of data retrieval

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Terms

Index
View
Table

Answer Area

Table	A database object that holds data
View	A database object whose content is defined by a query
Index	A database object that helps improve the speed of data retrieval

NEW QUESTION 314

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