

## DP-900 Dumps

### Microsoft Azure Data Fundamentals

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



**NEW QUESTION 1**

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

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

**Answer:** B

**NEW QUESTION 2**

Select the answer that correctly completes the sentence.

Select the answer that correctly completes the sentence.

**Answer Area**

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

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Text, letter Description automatically generated

**NEW QUESTION 3**

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

A visualization that illustrates a university's current student enrollment per department is an example of

analytics.

- cognitive
- descriptive
- predictive
- prescriptive

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Text, table Description automatically generated

Generally speaking, data analytics comes in four types:

- > Descriptive, to answer the question: What's happening?
- > Diagnostic, to answer the question: Why's happening?
- > Predictive, to answer the question: What will happen?
- > Prescriptive, to answer the question: What actions should we take? Company name Description automatically generated



**NEW QUESTION 4**

Select the answer that correctly completes the sentence.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

In batch processing, delay in delivering data processing results is acceptable.

**NEW QUESTION 5**

Select the answer that correctly completes the sentence.

**Answer Area**

Column family databases  
 Column family databases  
 Document databases  
 Graph databases  
 Key-value stores

natively support the analysis of relationships between entities.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

Column family databases  
 Column family databases  
 Document databases  
 Graph databases  
 Key-value stores

natively support the analysis of relationships between entities.

**NEW QUESTION 6**

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 7**

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 8**

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

Descriptive analytics tells you

what is most likely to occur in the future.
what occurred in the past.
which actions you can perform to affect outcomes.
why something occurred in the past.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Descriptive analytics tells you

what is most likely to occur in the future.
what occurred in the past.
which actions you can perform to affect outcomes.
why something occurred in the past.

**NEW QUESTION 9**

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
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:

Box 1: Yes

Big data solutions often use long-running batch jobs to filter, aggregate, and otherwise prepare the data for analysis. Usually these jobs involve reading source files from scalable storage (like HDFS, Azure Data Lake Store, and Azure Storage), processing them, and writing the output to new files in scalable storage.

Box 2: No

Box 3: No

**NEW QUESTION 10**

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
- Object
- Key/value

- 
- 
- 

- Application users and their default language
- Medical images and their associated metadata
- 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 10**

Select the answer that correctly completes the sentence.

**Answer Area**

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

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

**NEW QUESTION 14**

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 19**

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 24**

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 25**

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

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

**Answer:** ABF

**NEW QUESTION 27**

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 31**

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 32**

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 34**

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 36**

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 37**

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

Answer Area

A key/value data store is optimized for

enforcing constraints.  
simple lookups.  
table joins.  
transactions.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: simple lookups

A key/value store associates each data value with a unique key. Most key/value stores only support simple query, insert, and delete operations. To modify a value (either partially or completely), an application must overwrite the existing data for the entire value. In most implementations, reading or writing a single value is an atomic operation.

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

**NEW QUESTION 41**

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 42**

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 45**

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 48**

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 53**

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

The Azure Cosmos DB  API enables the use of SELECT statements to

Core (SQL)
Gremlin
MongoDB
Table

retrieve documents from Azure Cosmos DB.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Graphical user interface, text, application Description automatically generated  
Azure Cosmos DB SQL API accounts provide support for querying items using the Structured Query Language (SQL) syntax.

**NEW QUESTION 54**

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 56**

Select the answer that correctly completes the sentence.

**Answer Area**

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

dashboard
dashboard
dataset
report
tile

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

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

dashboard
dashboard
dataset
report
tile

**NEW QUESTION 59**

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

A block of code that runs in a database is called

<input type="text"/>
a stored procedure.
a table.
a view.
an index.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Text Description automatically generated with medium confidence

**NEW QUESTION 63**

Select the answer that correctly completes the sentence.

Answer Area

A relational database must be used when

<input type="text"/>
strong consistency guarantees are required.
a dynamic schema is required.
data will be stored as key/value pairs.
storing large images and videos.
strong consistency guarantees are required.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A relational database must be used when

<input type="text"/>
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 67**

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

Batch workloads

<input type="text"/>
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 68**

Select the answer that correctly completes the sentence.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

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

**NEW QUESTION 69**

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

- 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 74**

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.

**Azure Storage account**

- File share
- File system

**Level**

- Level

- 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 78**

Select the answer that correctly completes the sentence.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

In a graph database, edges specify relationships between

**NEW QUESTION 83**

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 86**

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 89**

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 94**

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 97**

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 98**

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 102**

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 107**

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 108**

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 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 113**

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 114**

You have a SQL pool in Azure Synapse Analytics that is only used actively every night for eight hours. You need to minimize the cost of the SQL pool during idle times. The solution must ensure that the data remains intact. What should you do on the SQL pool?

- A. Scale down the data warehouse units (DWUs).
- B. Pause the pool.
- C. Create a user-defined restore point.
- D. Delete the pool

**Answer:** B

**NEW QUESTION 117**

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

Transcribing audio files is an example of ▼ analytics.

- cognitive
- descriptive
- predictive
- prescriptive

- A. Mastered

B. Not Mastered

Answer: A

Explanation:

Transcribing audio files is an example of  analytics.

<input type="text"/>
cognitive
descriptive
predictive
prescriptive

**NEW QUESTION 121**

What is a characteristic of non-relational data?

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

Answer: D

**NEW QUESTION 125**

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

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

<input type="text"/>
A heap
A stored procedure
A view
An index

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

<input type="text"/>
A heap
A stored procedure
A view
An index

**NEW QUESTION 129**

At which level in Azure Cosmos DB can you configure multiple write regions and read regions?

- A. database
- B. partition
- C. collection
- D. account

Answer: C

**NEW QUESTION 133**

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 135**

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

Answer Area

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

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

**NEW QUESTION 137**

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 141**

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
- KQL
- Python
- SQL

- Azure Data Explorer
- Azure Stream Analytics
- Azure Synapse Analytics

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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

**NEW QUESTION 145**

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 150**

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

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

**Answer:** BDF

**NEW QUESTION 153**

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

- A. a table
- B. an index
- C. scalar function
- D. a view

**Answer:** D

**Explanation:**

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

**NEW QUESTION 158**

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 161**

Match the datastore services to the appropriate descriptions.

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

NOTE: Each correct match is worth one point.

Services	Answer Area
Azure Blob storage	Service Enables the use of SQL queries against data stored in JSON documents
Azure Cosmos DB	Service Enables users to access data by using the Server Message Block (SMB) version 3 protocol
Azure Files	
Azure Table storage	

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: Azure Cosmos DB

In Azure Cosmos DB's SQL (Core) API, items are stored as JSON. The type system and expressions are restricted to deal only with JSON types.

Box 2: Azure Files

Azure Files offers native cloud file sharing services based on the SMB protocol.

**NEW QUESTION 163**

Select the answer that correctly completes the sentence.

**Answer Area**

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

- 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  

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

**NEW QUESTION 164**

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

**NEW QUESTION 166**

Select the answer that correctly completes the sentence.

**Answer Area**

The massively parallel processing (MPP) engine  

- 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 170**

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 175**

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 176**

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 179**

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

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

**Answer:** C

**NEW QUESTION 183**

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 188**

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

**NEW QUESTION 191**

What is the primary purpose of a data warehouse?

- A. to provide answers to complex queries that rely on data from multiple sources
- B. to provide transformation services between source and target data stores
- C. to provide read-only storage of relational and non-relational historical data
- D. to provide storage for transactional line-of-business (LOB) applications

**Answer:** C

**Explanation:**

Consider using a data warehouse when you need to keep historical data separate from the source transaction systems for performance reasons. Data warehouses make it easy to access historical data from multiple locations, by providing a centralized location using common formats, keys, and data models. Query both relational and nonrelational data.

**NEW QUESTION 192**

Match the types of visualizations to the appropriate descriptions.

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

NOTE: Each correct match is worth one point.

**Visualizations**

- Key influencer
- Scatter
- Treemap

**Answer Area**

- Visualization: A chart of colored, nested rectangles that displays individual data points represented by the size and color of a relative rectangle.
- Visualization: A chart that displays the major contributors of a selected result or value.
- Visualization: A chart that shows the relationship between two numerical values.

- A. Mastered
- B. Not Mastered

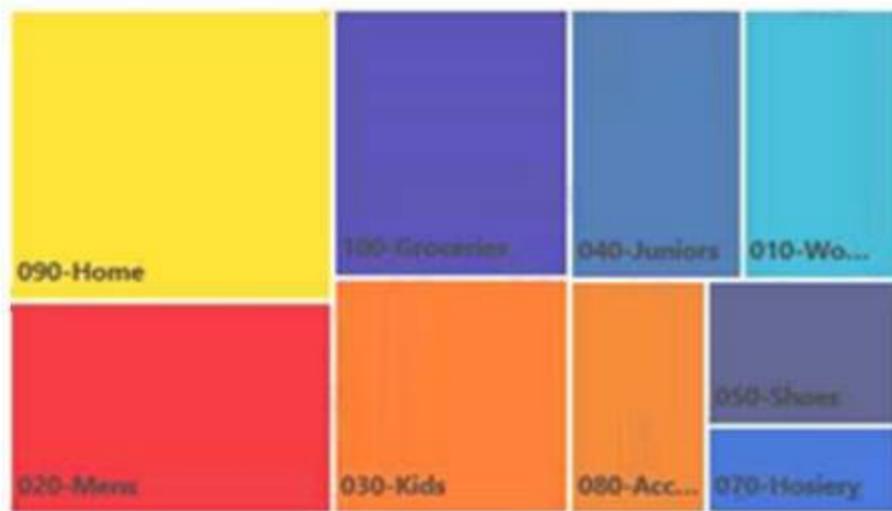
**Answer:** A

**Explanation:**

Box 1: Tree map

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

Total Units Last Year by Category



Box 2: Key influencer

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

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

**NEW QUESTION 193**

Select the answer that correctly completes the sentence.

**Answer Area**

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

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

**NEW QUESTION 195**

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

**NEW QUESTION 196**

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

**NEW QUESTION 201**

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

**Answer Area**

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**  
**Answer Area**

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

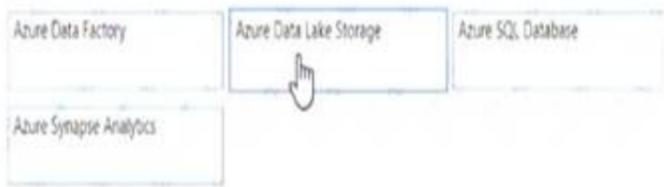
**NEW QUESTION 205**

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

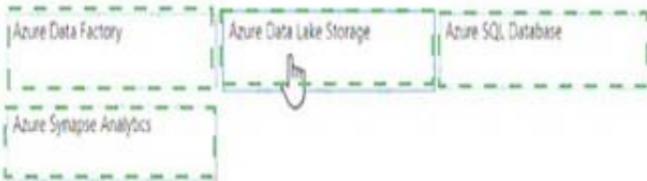
Azure Service	Output data to Parquet format.
Azure Service	Store data that is in Parquet format.
Azure Service	Persist a tabular representation of data that is stored in Parquet format.

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Azure Services



Answer Area

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

**NEW QUESTION 209**

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