



Microsoft

DP-900

Microsoft Azure Data Fundamentals

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[Total Questions: 122]



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The product of each order has its own encryption code, so you should use it independently. Any unauthorized changes will inflict legal punishment. We reserve the right of final explanation for this statement.

Question #:1

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

Answer:

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.

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- 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.

Answer: the database to protect data at rest.**Question #:2**

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

Question #3

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"/>
Object	<input type="text"/>
Key/value	<input type="text"/>

Application users and their default language
Medical images and their associated metadata
Employee data that shows the relationships between employees

Answer:

Data Store Types	Answer Area
Graph	<input type="text"/>
Object	<input type="text"/>
Key/value	<input type="text"/>

Application users and their default language
Medical images and their associated metadata
Employee data that shows the relationships between employees

Key/value	<input type="text"/>
Object	<input type="text"/>
Graph	<input type="text"/>

Application users and their default language
Medical images and their associated metadata
Employee data that shows the relationships between employees

Answer: Key/Value || Object || Graph

Question #4

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.

Answer:

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.

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.

Answer: what occurred in the past.

Question #5

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

Batch workloads

- process data in memory, row-by-row.
- collect and process data at most once a day.
- process data as new data is received in near real-time.
- collect data and then process the data when a condition is met.

Answer:

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.

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.

Answer: collect data and then process the data when a condition is met.

Question #:6

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

NOTE: Each correct selection is worth one point.

Statements**Yes****No**

Processing salary payments once a month is an example of a batch workload.

A wind turbine that sends 50 sensor readings per second is an example of a streaming workload.

A home electricity meter that sends readings once a day to an energy provider is an example of a streaming workload.

Answer:

Statements**Yes****No**

Processing salary payments once a month is an example of a batch workload.

A wind turbine that sends 50 sensor readings per second is an example of a streaming workload.

A home electricity meter that sends readings once a day to an energy provider is an example of a streaming workload.

Statements**Yes****No**

Processing salary payments once a month is an example of a batch workload.

A wind turbine that sends 50 sensor readings per second is an example of a streaming workload.

A home electricity meter that sends readings once a day to an energy provider is an example of a streaming workload.

Answer(Workload) : Yes || Yes || No**Question #:7**

You have a transactional application that stems 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: C**Question #:8**

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

NOTE: Each correct selection is worth one point.

Statements**Yes****No**

A Microsoft Power BI dashboard is associated with a single workspace.

A Microsoft Power BI dashboard can only display visualizations from a single dataset.

A Microsoft Power BI dashboard can display visualizations from a Microsoft Excel workbook.

Answer:**Statements****Yes****No**

A Microsoft Power BI dashboard is associated with a single workspace.

A Microsoft Power BI dashboard can only display visualizations from a single dataset.

A Microsoft Power BI dashboard can display visualizations from a Microsoft Excel workbook.

Statements**Yes****No**

A Microsoft Power BI dashboard is associated with a single workspace.

A Microsoft Power BI dashboard can only display visualizations from a single dataset.

A Microsoft Power BI dashboard can display visualizations from a Microsoft Excel workbook.

Answer (Power BI) : No || No || Yes**Question #9**

You have the following JSON document.

```
"customer": {  
    "first name": "Ben",  
    "last name": "Smith",  
    "address": {  
        "line 1": "161 Azure Ln",  
        "line 2": "Palo Alto",  
        "ZIP code": "54762"  
    },  
    "social media": [  
        {  
            "service": "twitter",  
            "handle": "@bensmith"  
        },  
        {  
            "service": "linkedin",  
            "handle": "bensmith"  
        }  
    ],  
    "phone numbers": [  
        {  
            "type": "mobile",  
            "number": "555-555-555"  
        }  
    ]  
}
```

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the JSON document.

NOTE: Each correct selection is worth one point.

Customer is [answer choice].

	▼
a nested array	
a nested object	
a root object	

Address is [answer choice].

	▼
a nested array	
a nested object	
a root object	

Social media is [answer choice].

	▼
a nested array	
a nested object	
a root object	

Answer: root object || nested object || nested array

Answer:

Customer is [answer choice].

	▼
a nested array	
a nested object	
a root object	

Address is [answer choice].

	▼
a nested array	
a nested object	
a root object	

Social media is [answer choice].

	▼
a nested array	
a nested object	
a root object	

Customer is [answer choice].

a nested array
a nested object
a root object

Address is [answer choice].

a nested array
a nested object
a root object

Social media is [answer choice].

a nested array
a nested object
a root object

Question #:10

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: B D E

Question #:11

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: D

Question #:12

Your company is designing a data store for internet-connected temperature sensors. The collected data will be used to analyze temperature trends. Which type of data store should you use?

- A. relational
- B. columnar
- C. graph
- D. time series**

Answer: A

Question #:13

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	

Answer:

The diagram illustrates the relationship between four Azure services and their respective output formats. On the left, under 'Azure Services', there are four boxes: 'Azure Data Factory' (blue), 'Azure Data Lake Storage' (green), 'Azure SQL Database' (red), and 'Azure Synapse Analytics' (purple). A dashed green box encloses 'Azure Data Lake Storage' and 'Azure SQL Database'. An arrow points from this dashed box to the 'Answer Area' on the right. In the 'Answer Area', three boxes are shown: 'Azure Data Factory' (blue), 'Azure Data Lake Storage' (green), and 'Azure Synapse Analytics' (purple). To the right of each service box is its corresponding output format: 'Output data to Parquet format.' for Data Factory, 'Store data that is in Parquet format.' for Data Lake Storage, and 'Persist a tabular representation of data that is stored in Parquet format.' for Synapse Analytics.

Azure Service	Output Format
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.

Answer: Azure Data Factory || Azure Data Lake Storage || Azure Synapse Analytics

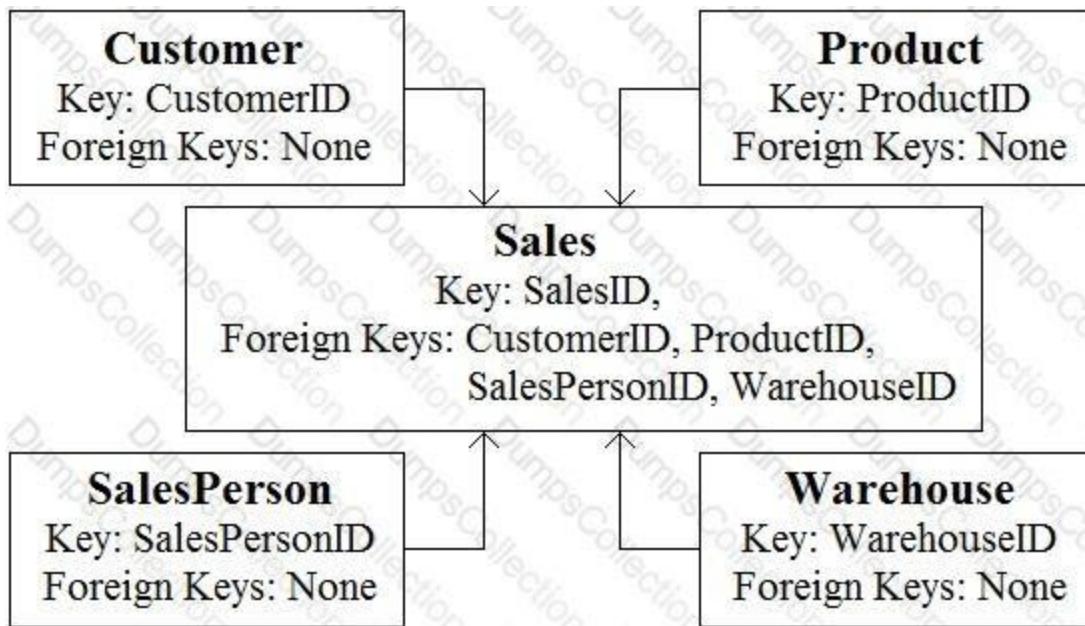
Question #:14

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

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

Answer: A**Question #:15**

You are reviewing the data model shown in the following exhibit.



Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point

The data model is a [answer choice].

transactional model
star schema
snowflake schema

Customer is a [answer choice] table.

fact
dimension
bridge

Answer:

The data model is a [answer choice].

transactional model
star schema
snowflake schema

Customer is a [answer choice] table.

fact
dimension
bridge

The data model is a [answer choice].

transactional model
star schema
snowflake schema

Customer is a [answer choice] table.

fact
dimension
bridge

Answer : Star schema || Dimension

Question #:16

What are two characteristics of real-time data processing? Each correct answer present a complete solution.

NOTE: Each correct selection is worth one point.

- A. Data is processed as it is created.
- B. Low latency is expected
- C. High latency acceptable
- D. Data is processed periodically

Answer: B D

Question #:17

You need to store data in Azure Blob storage for seven years to meet your company's compliance requirements. The retrieval time of the data is unimportant. The solution must minimize storage costs.

Which storage tier should you use?

- A. Archive
- B. Hot
- C. Cool

Answer: A

Question #18

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 checked="" type="radio"/>	<input type="radio"/>
Items contained in the same Azure Cosmos DB logical partition can have different partition keys.	<input type="radio"/>	<input checked="" type="radio"/>

Answer:**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 checked="" type="radio"/>
Partition keys are used in Azure Cosmos DB to optimize queries.	<input checked="" type="radio"/>	<input type="radio"/>
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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 checked="" type="radio"/>	<input type="radio"/>

Answer : Yes || No || No

Question #19

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

Answer Area

Relational data uses

collections
 columns
 keys
 partitions

to enforce relationships between different tables.

Answer:

Answer Area

Relational data uses



to enforce relationships between different tables.

Relational data uses



to enforce relationships between different tables.

collections
columns
keys
partitions

Answer: keys**Question #:**20

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.

Answer:

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a server-level firewall.
Azure Firewall.
Azure Front Door.

By default, each Azure SQL database is protected by

a network security group (NSG).
a server-level firewall.
Azure Firewall.
Azure Front Door.

Answer : server level firewall**Question #:**21

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: A D

Question #22

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: A C

Question #23

Match the types of activities to the appropriate Azure Data Factory activities.

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

NOTE: Each correct match is worth one point.

Activity Types

Control
Data movement
Data transformation

Answer Area

Copy

Mapping data flow

Until

Answer:**Activity Types**

Control
Data movement
Data transformation

Answer Area

Data movement
Data transformation
Control

Copy

Mapping data flow

Until

Data movement
Data transformation
Control

Copy

Mapping data flow

Until

Answer: Data movement || Data transformation || Control**Question #24**

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: C**Question #25**

You need to recommend a non-relational data store that is optimized for storing and retrieving files, videos, audio stream, and virtual disk images. The data store must store data, some metadata, and a unique ID for each file.

Which type of data store should you recommend?

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

Answer: C

Question #:26

Match the types of workloads the appropriate scenario.

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

NOTE: Each correct match is worth one point.

Workload Types	Answer Area
Batch	Data for a product catalog will be loaded every 12 hours to a data warehouse.
Micro-batch	Data for online purchases will be loaded to a data warehouse as the purchases occur.
Streaming	Updates to inventory data will be loaded to a data warehouse every 1,000 transactions.

Answer:

Workload Types	Answer Area
Batch	Data for a product catalog will be loaded every 12 hours to a data warehouse.
Micro-batch	Data for online purchases will be loaded to a data warehouse as the purchases occur.
Streaming	Updates to inventory data will be loaded to a data warehouse every 1,000 transactions.

Workload Types	Answer Area
Batch	Batch Data for a product catalog will be loaded every 12 hours to a data warehouse.
Micro-batch	Streaming Data for online purchases will be loaded to a data warehouse as the purchases occur.
Streaming	Micro-batch Updates to inventory data will be loaded to a data warehouse every 1,000 transactions.

Answer: Batch || Streaming || Micro-batch

Question #:27

Which storage solution supports role-based access control (RBAC) at the file and folder level?

- A. Azure Disk Storage
- B. Azure Data Lake Storage**
- C. Azure Blob storage
- D. Azure Queue storage

Answer: B

Question #:28

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: C

Question #:29

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

NOTE: Each correct selection is worth one point.

Answer Area**Statements****Yes****No**

Azure SQL managed instance supports cross-database queries.

Azure SQL managed instance supports user-created backups.

Azure SQL managed instance databases can be restored to SQL Server on an Azure virtual machine.

Answer:**Answer Area****Statements****Yes****No**

Azure SQL managed instance supports cross-database queries.

Azure SQL managed instance supports user-created backups.

Azure SQL managed instance databases can be restored to SQL Server on an Azure virtual machine.

Answer Area**Statements****Yes****No**

Azure SQL managed instance supports cross-database queries.

Azure SQL managed instance supports user-created backups.

Azure SQL managed instance databases can be restored to SQL Server on an Azure virtual machine.

Answer: Yes || No || Yes**Question #:**30

Your company if designing an application that will write a high volume of JSON data and will have an application-defined schema.

Which type of data store should you use?

A. key/value

B. document

C. graph

D. columnar

Answer: A

Question #:31

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: B

Question #:32

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

NOTE: Each correct selection is worth one point.

Answer Area

Azure Databricks can consume data from Azure SQL Database.

Statements

Yes

No

Azure Databricks can consume data from Azure Event Hubs.

Azure Databricks can consume data from Azure Cosmos DB.

Answer:

Answer Area

Azure Databricks can consume data from Azure SQL Database.

Statements

Yes

No

Azure Databricks can consume data from Azure Event Hubs.

Azure Databricks can consume data from Azure Cosmos DB.

Answer Area**Statements**

Azure Databricks can consume data from Azure SQL Database.

Azure Databricks can consume data from Azure Event Hubs.

Azure Databricks can consume data from Azure Cosmos DB.

 Yes No**Answer: No || No || Yes****Question #:33**

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: C**Question #:34**

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.

Answer:

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 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.

Answer: strong consistency guarantees are required

Question #:35

You need to query a table named Products in an Azure SQL database.

Which three requirements must be met to query the table from the internet? Each correct answer presents part of the solution. (Choose three.)

NOTE: Each correct selection is worth one point.

- A. You must be assigned the Reader role for the resource group that contains the database.
- B. You must have SELECT access to the Products table.
- C. You must have a user in the database.
- D. You must be assigned the Contributor role for the resource group that contains the database.
- E. Your IP address must be allowed to connect to the database.

Answer: A C E

Question #:36

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.

Answer:

Values

CREATE GROUP BY ORDER BY SELECT

Answer Area

```
Value SalesDate, AVG(SalesAmount)
FROM Sales
```

Value SalesDate

Values

CREATE GROUP BY ORDER BY SELECT

Answer Area

```
CREATE SalesDate, AVG(SalesAmount)
FROM Sales
```

SELECT SalesDate

Values

CREATE GROUP BY ORDER BY SELECT

Answer Area

```
CREATE SalesDate, AVG(SalesAmount)
FROM Sales
```

SELECT SalesDate

Answer: Select || Order By

Question #37

You have the following SQL query.

```
INSERT INTO dbo.Products (ProductID, ProductName, Price, ProductDescription)
VALUES (1, 'Clamp', 12.48, 'Workbench clamp');
```

NOTE: Each correct selection is worth one point.

Answer Area

Dbo.Products:
A column
A database
A table
An index

ProductName:
A column
A database
A table
An index

Answer:**Answer Area**

Dbo.Products:
A column
A database
A table
An index

ProductName:
A column
A database
A table
An index

Dbo.Products:

A column
A database
A table
An index

ProductName:

A column
A database
A table
An index

Answer: A table || A column**Question #:**38

You have an e-commerce application that reads and writes data to an Azure SQL database. Which type of processing does the application use?

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

Answer: D**Question #:39**

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**Question #:40**

Which statement is an example of Data Manipulation Language (DML).

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

Answer: C**Question #:41**

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

Transcribing audio files is an example of

	▼
cognitive	
descriptive	
predictive	
prescriptive	

analytics.

Answer:

Transcribing audio files is an example of ▼ analytics.

cognitive
descriptive
predictive
prescriptive

Transcribing audio files is an example of ▼ analytics.

cognitive
descriptive
predictive
prescriptive

Answer: Cognitive

Question #42

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

NOTE: Each correct selection is worth one point.

Answer Area

Statements
Relational database tables contain columns and rows.

Yes No

Indexes in a relational database describe the data types in a table.

Yes No

A database view is a virtual table whose content is defined by a query.

Yes No

Answer:

Answer Area

Statements
Relational database tables contain columns and rows.

Yes No

Indexes in a relational database describe the data types in a table.

Yes No

A database view is a virtual table whose content is defined by a query.

Yes No

Answer Area**Statements**

Relational database tables contain columns and rows.

Indexes in a relational database describe the data types in a table.

A database view is a virtual table whose content is defined by a query.

Yes**No****Answer: Yes || Yes || No****Question #:43**

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**Question #:44**

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). |

Answer:

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).

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).

Answer: set Account kind to BlobStorage**Question #:45**

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**Question #:46**

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**

<input type="radio"/>	Yes
<input type="checkbox"/>	No

Platform as a service (PaaS) database offerings in Azure require less setup and configuration effort than infrastructure as a service (IaaS) database offerings.

Platform as a service (PaaS) database offerings in Azure provide administrators with the ability to control and update the operating system version.

All platform as a service (PaaS) database offerings in Azure can be paused to reduce costs.

Answer:**Answer Area****Statements**

<input checked="" type="radio"/>	Yes
<input type="checkbox"/>	No

Platform as a service (PaaS) database offerings in Azure require less setup and configuration effort than infrastructure as a service (IaaS) database offerings.

Platform as a service (PaaS) database offerings in Azure provide administrators with the ability to control and update the operating system version.

All platform as a service (PaaS) database offerings in Azure can be paused to reduce costs.

Answer Area**Statements**

<input checked="" type="radio"/>	Yes
<input type="checkbox"/>	No

Platform as a service (PaaS) database offerings in Azure require less setup and configuration effort than infrastructure as a service (IaaS) database offerings.

Platform as a service (PaaS) database offerings in Azure provide administrators with the ability to control and update the operating system version.

All platform as a service (PaaS) database offerings in Azure can be paused to reduce costs.

Answer: Yes || No|| Yes**Question #47**

Which scenario is an example of a streaming workload?

- A. sending transactions that are older than a month to an archive
- B. sending transactions daily from point of sale (POS) devices
- C. sending telemetry data from edge devices
- D. sending cloud infrastructure metadata every 30 minutes

Answer: C**Question #48**

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

NOTE: Each correct selection is worth one point.

Statements**Yes** **No**

Azure Table storage supports multiple read replicas.

Azure Table storage supports multiple write regions.

The Azure Cosmos DB Table API supports multiple read replicas.

The Azure Cosmos DB Table API supports multiple write regions.

 Answer:**Statements****Yes** **No**

Azure Table storage supports multiple read replicas.

Azure Table storage supports multiple write regions.

The Azure Cosmos DB Table API supports multiple read replicas.

The Azure Cosmos DB Table API supports multiple write regions.

 Statements**Yes** **No**

Azure Table storage supports multiple read replicas.

Azure Table storage supports multiple write regions.

The Azure Cosmos DB Table API supports multiple read replicas.

The Azure Cosmos DB Table API supports multiple write regions.

 Answer: Yes || No || Yes || Yes**Question #49**

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.

Answer:

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.

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.

Answer : as nodes and edges by using the Germlin language

Question #:50

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**

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

Yes

No



Azure Data Factory pipelines can execute other pipelines.

Yes

No



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

Yes

No

**Answer:**

Answer Area

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

Answer Area

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

Answer: No || Yes || Yes

Question #:51

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: B

Question #:52

match the Azure data factory components to the appropriate descriptions.

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

NOTE: Each correct match is worth one point.

Components	Answer Area		
Dataset	Component	A representation of data structures within data stores	
Linked service	Component	The information used to connect to external resources	
Mapping data flow	Component	A logical grouping of activities that performs a unit of work and can be scheduled	
Pipeline			

Answer:

Components	Answer Area		
Dataset	Dataset	A representation of data structures within data stores	
Linked service	Linked service	The information used to connect to external resources	
Mapping data flow	Mapping data flow	A logical grouping of activities that performs a unit of work and can be scheduled	
Pipeline			

Answer: Data Set || Linked Service || Pipeline

Question #53

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.

Answer:

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.

Answer Area

Transparent Data Encryption (TDE) encrypts

the database to protect data at rest.

Answer: the dataset to protect data at rest.**Question #:**54

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

Answer Area

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

changes to relationships between entities.
geographically distributed writes.
transactional writes.
writes that have varying data structures.

Answer:**Answer Area**

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

changes to relationships between entities.
geographically distributed writes.
transactional writes.
writes that have varying data structures.

Answer Area

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

writes that have varying data structures.

Answer: writes that have varying data structures**Question #:**55

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

NOTE: Each correct selection is worth one point.

Statements**Yes** **No**

When ingesting data from Azure Data Lake Storage across Azure regions, you will incur costs for bandwidth.

You can use blob, table, and file storage in the same Azure Storage account.

You implement Azure Data Lake Storage by creating an Azure Storage account.

 Answer:**Statements****Yes** **No**

When ingesting data from Azure Data Lake Storage across Azure regions, you will incur costs for bandwidth.

You can use blob, table, and file storage in the same Azure Storage account.

You implement Azure Data Lake Storage by creating an Azure Storage account.

 Statements**Yes** **No**

When ingesting data from Azure Data Lake Storage across Azure regions, you will incur costs for bandwidth.

You can use blob, table, and file storage in the same Azure Storage account.

You implement Azure Data Lake Storage by creating an Azure Storage account.

 Answer: Yes || Yes || Yes**Question #:** 56

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

NOTE: Each correct selection is worth one point.

Statements**Yes** **No**

You can use Azure Data Studio to query a Microsoft SQL Server big data cluster.

You can use Microsoft SQL Server Management Studio (SSMS) to query an Azure Synapse Analytics data warehouse.

You can use MySQL Workbench to query Azure Database for MariaDB databases.

 Answer:**Statements****Yes** **No**

You can use Azure Data Studio to query a Microsoft SQL Server big data cluster.

You can use Microsoft SQL Server Management Studio (SSMS) to query an Azure Synapse Analytics data warehouse.

You can use MySQL Workbench to query Azure Database for MariaDB databases.

 Statements**Yes** **No**

You can use Azure Data Studio to query a Microsoft SQL Server big data cluster.

You can use Microsoft SQL Server Management Studio (SSMS) to query an Azure Synapse Analytics data warehouse.

You can use MySQL Workbench to query Azure Database for MariaDB databases.

 Answer: Yes || Yes || Yes**Question #:**57

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

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

Answer: B**Question #:**58

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.

**Answer:**



Answer: Folders || Files

Question #:59

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.

Answer:

Answer Area

A key/value data store is optimized for

- enforcing constraints.
- simple lookups.
- table joins.
- transactions.

Answer Area

A key/value data store is optimized for

Answer: simple lookups

Question #:60

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

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

- 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.

Answer:

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

- 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.

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

- 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.

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

Question #:61

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**Question #:**62

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	The CRM system	Extract: <input type="text"/>
The data warehouse		Load: <input type="text"/>
		Transform: <input type="text"/>

Answer:

Locations		Answer Area
An in-memory data integration tool	The CRM system	Extract: <input type="text"/> The data warehouse
The data warehouse		Load: <input type="text"/> An in-memory data integration tool
		Transform: <input type="text"/> The CRM system

Locations		Answer Area
An in-memory data integration tool	The CRM system	Extract: <input type="text"/> The data warehouse
The data warehouse		Load: <input type="text"/> An in-memory data integration tool
		Transform: <input type="text"/> The CRM system

Answer: CRM System || Data Warehouse || In memory data integration

Question #:63

At which two levels can you set the throughput for an Azure Cosmos DB account? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

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

Answer: A C

Question #:64

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	Answer Area
Index	
View	
Table	

Answer:

Terms	Answer Area
Index	
View	
Table	

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

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

Answer: Table || View || Index

Question #:65

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

Question #:66

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	Key/value pairs	Data Type Azure Blob storage
Relationships between employees		Data Type Azure Cosmos DB Gremlin API
		Data Type Azure Table storage

Answer:

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

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

Answer: Image files || Relationship between employees || Key/Value pairs

Question #:67

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

In Azure Data Factory, you can use

▼	to orchestrate pipeline
a control flow	
a dataset	
a linked service	
an integration runtime	

activities that depend on the output of other pipeline activities.

Answer:

In Azure Data Factory, you can use

▼	to orchestrate pipeline
a control flow	
a dataset	
a linked service	
an integration runtime	

activities that depend on the output of other pipeline activities.

In Azure Data Factory, you can use

▼	to orchestrate pipeline
a control flow	
a dataset	
a linked service	
an integration runtime	

activities that depend on the output of other pipeline activities.

Answer: Control Flow

Question #:68

A team of developers has computers that run Windows 10 and Ubuntu Desktop.

The developers need to connect to and query an Azure SCX 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: B**Question #:69**

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**Question #:70**

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

▼	is a virtual table that contains content defined by a query.
A heap	
A stored procedure	
A view	
An index	

Answer:

▼
A heap
A stored procedure
A view
An index

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

▼
A heap
A stored procedure
A view
An index

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

Answer: A view

Question #:71

You are deploying a software as a service (SaaS) application that requires a relational database for Online Transaction Processing (OLTP). Which Azure service should you use to support the application?

- A. Azure Cosmos D3
- B. Azure Synapse Analytics
- C. Azure HCMmtghi
- D. Azure SQL Database

Answer: B

Question #:72

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.

Answer:

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.

**Answer Area**

You can query a graph database in Azure Cosmos DB as a JSON document by using a SQL-like language.

Answer: as nodes & edges by using Germlin language

Question #:73

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

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

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

Answer:

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.

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.

Answer: distribute processing across compute nodes

Question #:74

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

Question #:75

Match the security components to the appropriate scenarios.

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

NOTE: Each correct match is worth one point.

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

Answer:

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

Firewall

Prevent access to an Azure SQL database from another network.

Authentication

Support Azure Active Directory (Azure AD) sign-ins to an Azure SQL database.

Encryption

Ensure that sensitive data never appears as plain text in an Azure SQL database.

Answer: Firewall || Authentication || Encryption**Question #:**76

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**Question #:**77

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: A C E**Question #:**78

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**

Batch processing can output data to a file store.

Batch processing can output data to a relational database.

Batch processing can output data to a NoSQL database.

 Yes No**Answer:****Answer Area****Statements**

Batch processing can output data to a file store.

Batch processing can output data to a relational database.

Batch processing can output data to a NoSQL database.

 Yes No Yes No Yes No**Answer Area****Statements**

Batch processing can output data to a file store.

Batch processing can output data to a relational database.

Batch processing can output data to a NoSQL database.

 Yes No Yes No Yes No**Answer: Yes || Yes || No****Question #:**79

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

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

graph.
table.
partition key.
document.

Answer:

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

graph.
table.
partition key.
document.

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

graph.
table.
partition key.
document.

Answer: graph

Question #:80

Match the types of analytics that can be used to answer the business questions.

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

NOTE: Each correct match is worth one point.

Analytics Types					Answer Area						
Cognitive	Descriptive	Diagnostic	Predictive	Prescriptive	<table border="1"> <tr><td>Analytics Type</td><td>Why did sales increase last month?</td></tr> <tr><td>Analytics Type</td><td>How do I allocate my budget to buy different inventory items?</td></tr> <tr><td>Analytics Type</td><td>Which people are mentioned in a company's business documents?</td></tr> </table>	Analytics Type	Why did sales increase last month?	Analytics Type	How do I allocate my budget to buy different inventory items?	Analytics Type	Which people are mentioned in a company's business documents?
Analytics Type	Why did sales increase last month?										
Analytics Type	How do I allocate my budget to buy different inventory items?										
Analytics Type	Which people are mentioned in a company's business documents?										

Answer:

Analytics Types					Answer Area						
Cognitive	Descriptive	Diagnostic	Predictive	Prescriptive	<table border="1"> <tr><td>Diagnostic</td><td>Why did sales increase last month?</td></tr> <tr><td>Predictive</td><td>How do I allocate my budget to buy different inventory items?</td></tr> <tr><td>Cognitive</td><td>Which people are mentioned in a company's business documents?</td></tr> </table>	Diagnostic	Why did sales increase last month?	Predictive	How do I allocate my budget to buy different inventory items?	Cognitive	Which people are mentioned in a company's business documents?
Diagnostic	Why did sales increase last month?										
Predictive	How do I allocate my budget to buy different inventory items?										
Cognitive	Which people are mentioned in a company's business documents?										

Diagnostic

Why did sales increase last month?

Predictive

How do I allocate my budget to buy different inventory items?

Cognitive

Which people are mentioned in a company's business documents?

Answer: Diagnostic || Perspective || Cognitive**Question #:**81

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

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

Answer: B**Question #:**82

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

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

Answer: B**Question #:**83

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.

Answer:

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 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.

Answer: A clustered index**Question #:**84

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: B**Question #:**85

You need to use Transact-SQL to query files in Azure Data Lake Storage from an Azure Synapse Analytics data warehouse.

What should you use to query the files?

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

Answer: C**Question #:**86

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**Question #:**87

You have a quality assurance application that reads data from a data warehouse.

Which type of processing does the application use?

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

Answer: A**Question #:**88

What are two uses of data visualization? Each correct answer present a complete solution.

NOTE: Each correct selection is worth one point.

- A. Represent trends and patterns over time.**

- B. Communicate the significance of data.
- C. implement machine learning to predict future values.
- D. Consistently implement business logic across reports

Answer: A C

Question #:89

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

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

Answer: D

Question #:90

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

Question #:91

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

NOTE: Each correct selection is worth one point.

Answer Area**Statements**

Azure Data Studio can be used to query an Azure SQL database from a device that runs macOS.

Yes**No**

Microsoft SQL Server Management Studio (SSMS) enables users to create and use SQL notebooks.

Azure Data Studio can be used to restore a database.

Answer:**Answer Area****Statements**

Azure Data Studio can be used to query an Azure SQL database from a device that runs macOS.

Yes**No**

Microsoft SQL Server Management Studio (SSMS) enables users to create and use SQL notebooks.

Azure Data Studio can be used to restore a database.

Answer Area**Statements****Yes****No**

Azure Data Studio can be used to query an Azure SQL database from a device that runs macOS.

Microsoft SQL Server Management Studio (SSMS) enables users to create and use SQL notebooks.

Azure Data Studio can be used to restore a database.

Answer: Yes || No || Yes**Question #:**92

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

NOTE: Each correct selection is worth one point.

Statements**Yes****No**

Normalization involves eliminating relationships between database tables.

Normalizing a database reduces data redundancy.

Normalization improves data integrity.

Answer:

Statements**Yes****No**

Normalization involves eliminating relationships between database tables.

Normalizing a database reduces data redundancy.

Normalization improves data integrity.

Statements**Yes****No**

Normalization involves eliminating relationships between database tables.

Normalizing a database reduces data redundancy.

Normalization improves data integrity.

Answer: No || Yes || Yes**Question #:93**

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.

Answer:

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.

Answer Area

The massively parallel processing (MPP) engine

of Azure Synapse Analytics

redirects client connections across compute nodes.

Answer: Distribute processing across compute nodes**Question #:94**

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**Question #:95**

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).

Answer:

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).

Answer Area

To configure an Azure Storage account to support both security at the folder level

and atomic directory manipulation,

set Account kind to BlobStorage.

Answer: set Account to Blob Storage

Question #:96

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**Question #:97**

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

NOTE: Each correct selection is worth one point.

Statements**Yes No**

Azure SQL Database includes a fully managed backup service.

Azure SQL Database has built-in high availability.

Azure SQL Database can use Azure Advanced Threat Protection (ATP).

Answer:**Statements****Yes No**

Azure SQL Database includes a fully managed backup service.

Azure SQL Database has built-in high availability.

Azure SQL Database can use Azure Advanced Threat Protection (ATP).

Statements**Yes No**

Azure SQL Database includes a fully managed backup service.

Azure SQL Database has built-in high availability.

Azure SQL Database can use Azure Advanced Threat Protection (ATP).

Answer: Yes || Yes || Yes

Question #:98

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

NOTE: Each correct selection is worth one point.

Statements	Yes	No
You must apply patches to Azure SQL databases regularly.	<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"/>

Answer:

Statements	Yes	No
You must apply patches 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"/>

Statements	Yes	No
You must apply patches 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"/>

Answer: No || No || Yes

Question #:99

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**

Azure Synapse Analytics scales storage and compute independently.

 Yes No

Azure Synapse Analytics can be paused to reduce compute costs.

An Azure Synapse Analytics data warehouse has a fixed storage capacity.

Answer:**Answer Area****Statements**

Azure Synapse Analytics scales storage and compute independently.

 Yes No

Azure Synapse Analytics can be paused to reduce compute costs.

An Azure Synapse Analytics data warehouse has a fixed storage capacity.

Answer Area**Statements**

Azure Synapse Analytics scales storage and compute independently.

 Yes No

Azure Synapse Analytics can be paused to reduce compute costs.

An Azure Synapse Analytics data warehouse has a fixed storage capacity.

Answer: Yes || Yes || No**Question #:100**

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**Question #:101**

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

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

Answer: B**Question #:102**

You have an Azure Cosmos DB account that uses the Core (SQL) API.

Which two settings can you configure at the container level? Each correct answer presents a complete solution. (Choose two.)

NOTE: Each correct selection is worth one point.

- A. the throughput**
- B. the read region
- C. the partition key**
- D. the API

Answer: A C**Question #:103**

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

Answer Area

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

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

Answer:

Answer Area

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

a data pipeline that includes a transformation engine.
a separate transformation engine.

a target data store powerful enough to transform data
data that is fully processed before being loaded to the target data store.

Answer Area

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

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

Answer: data is fully processed before being loaded to the target data store

Question #:104

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: B**Question #:**105

Which two Azure services can be used to provision Spark clusters? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Azure Databricks**
- B. Azure Log Analytics
- C. Azure Time Series Insights
- D. Azure HDInsight**

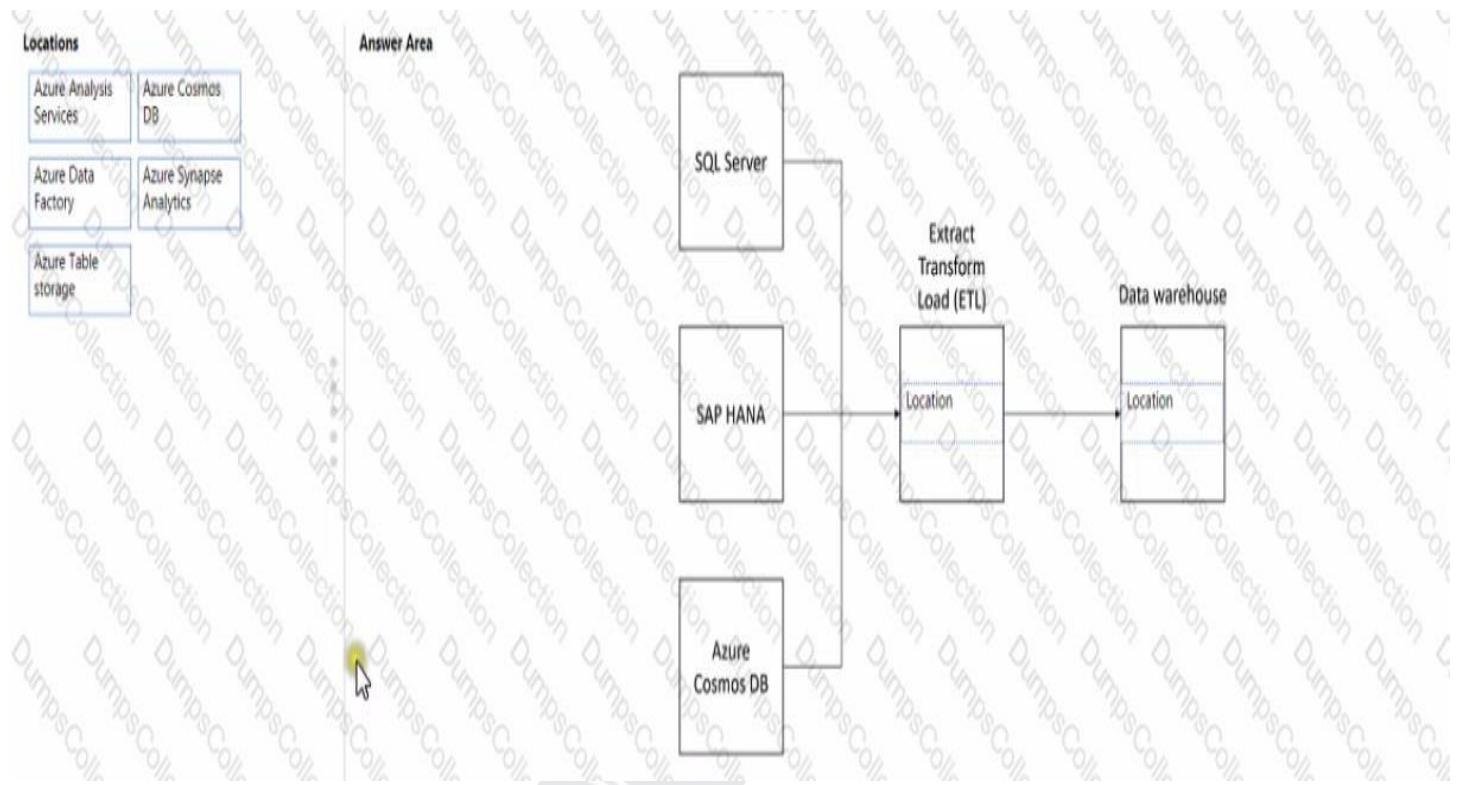
Answer: A D**Question #:**106

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

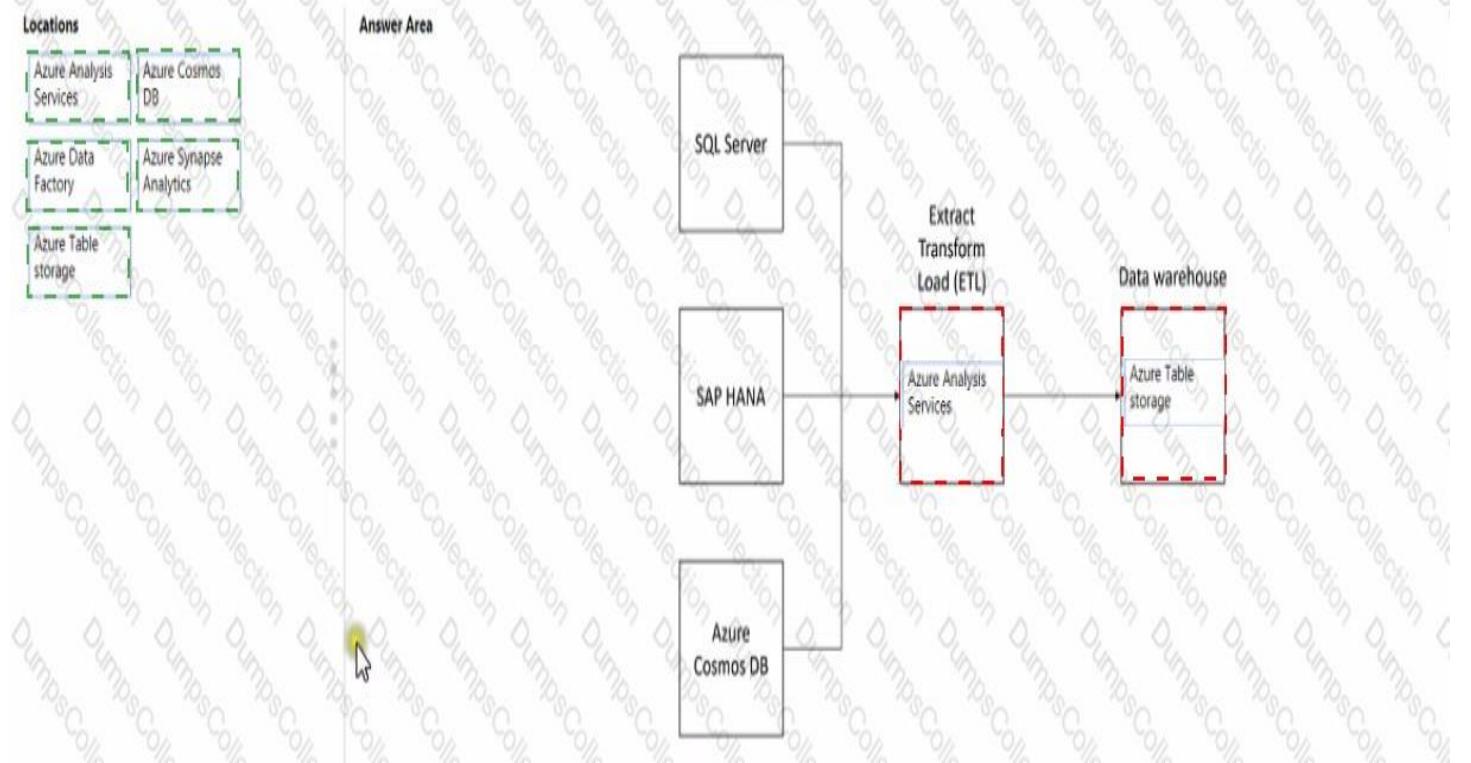
To answer, drag the appropriate service from the column on the left to its location on the right. Each service

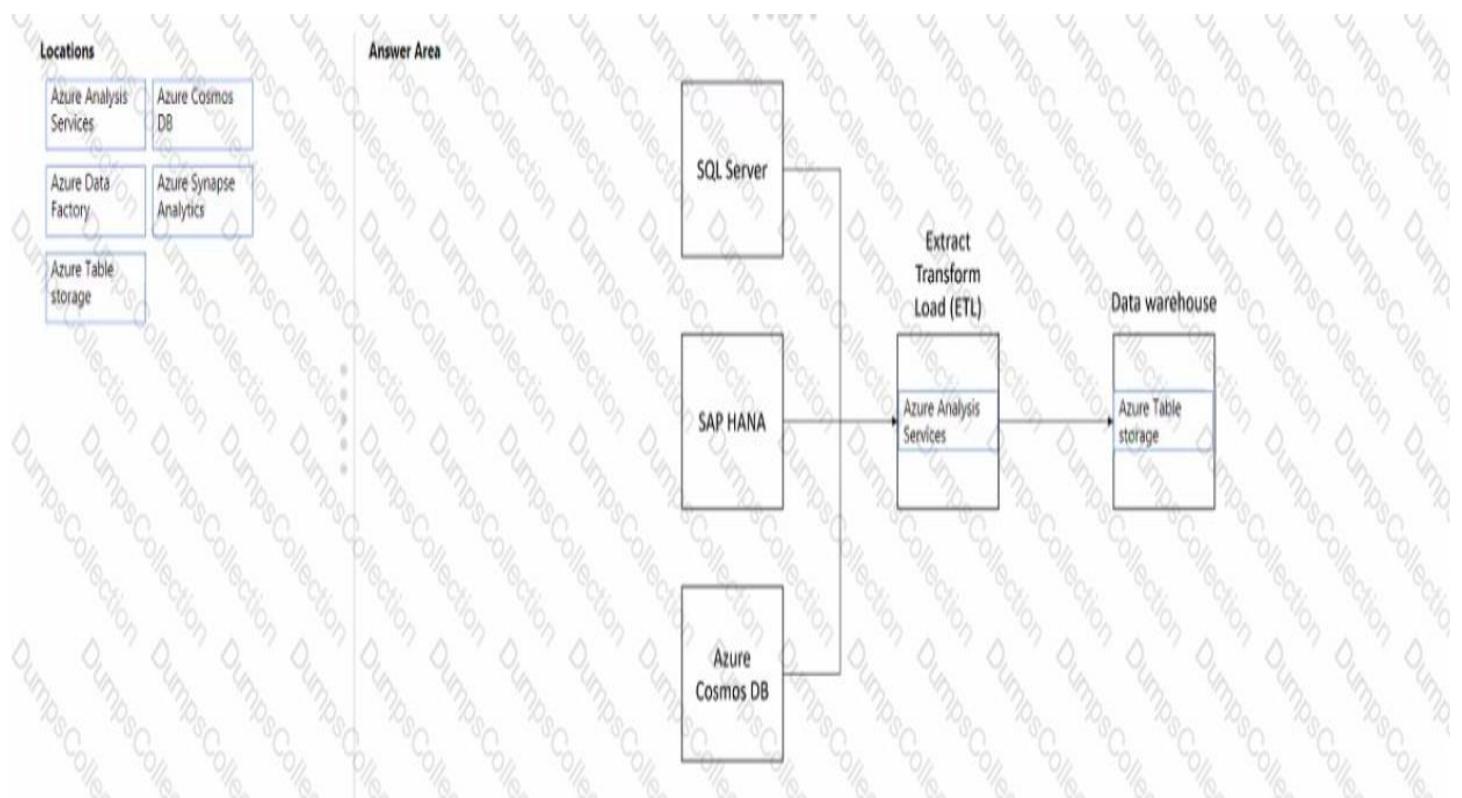
may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.



Answer:





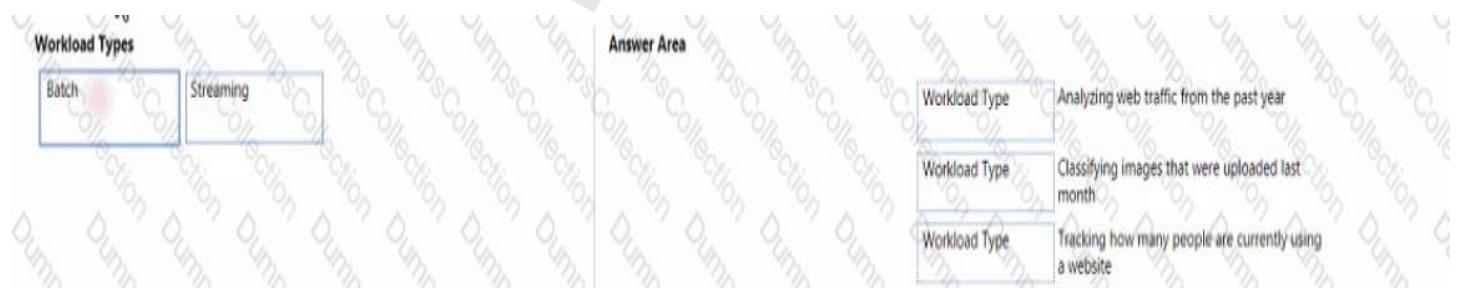
Answer: Azure Data Factory || Azure Synapse Analytics

Question #:107

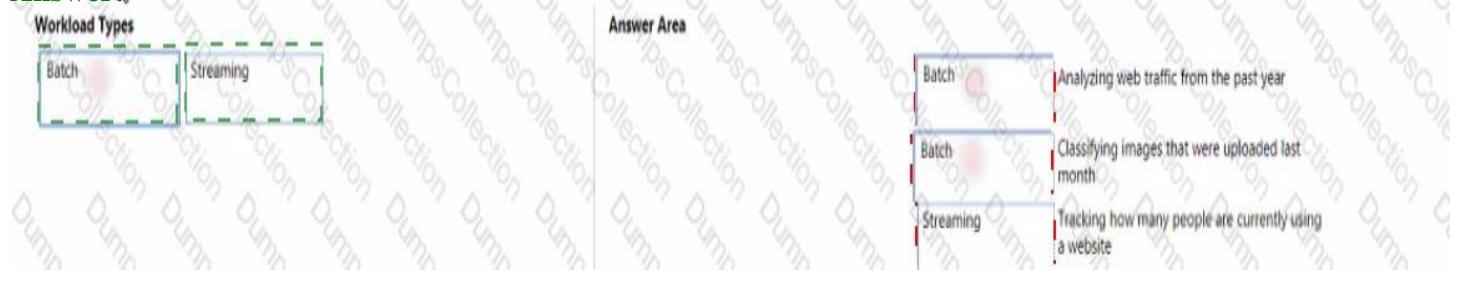
Match the types of workloads to the appropriate scenarios.

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

NOTE: Each correct match is worth one point.



Answer:



Workload Types

Batch

Streaming

Answer Area

Batch

Analyzing web traffic from the past year

Batch

Classifying images that were uploaded last month

Streaming

Tracking how many people are currently using a website

Answer: Batch || Batch || Streaming**Question #:108**

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

Answer Area

Relational data is stored in

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

Answer:**Answer Area**

Relational data is stored in

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

Answer Area

Relational data is stored in

a hierachal folder structure.

Answer: a tabular form of rows and columns**Question #:109**

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

Answer Area

A Microsoft Power BI fixed-layout documents

dashboard
interactive report
paginated report
subscription

enables users to create highly formatted, archiving.

Answer:**Answer Area**

A Microsoft Power BI fixed-layout documents

dashboard
interactive report
paginated report **1**
subscription

enables users to create highly formatted, archiving.

Explanation**Answer: Paginated Reports**

<https://powerbi.microsoft.com/en-us/blog/announcing-paginated-reports-in-power-bi-general-availability/>

Question #:110

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

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

Answer: D**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.

Answer Area**Statements****Yes** **No**

If you have a platform as a service (PaaS) database in Azure, you are responsible for applying operating system updates.

If you have a platform as a service (PaaS) database in Azure, backups are performed automatically.

If you have a platform as a service (PaaS) database in Azure, you are responsible for upgrading the database engine.

Answer:**Answer Area****Statements****Yes** **No**

If you have a platform as a service (PaaS) database in Azure, you are responsible for applying operating system updates.

If you have a platform as a service (PaaS) database in Azure, backups are performed automatically.

If you have a platform as a service (PaaS) database in Azure, you are responsible for upgrading the database engine.

Answer Area**Statements****Yes** **No**

If you have a platform as a service (PaaS) database in Azure, you are responsible for applying operating system updates.

If you have a platform as a service (PaaS) database in Azure, backups are performed automatically.

If you have a platform as a service (PaaS) database in Azure, you are responsible for upgrading the database engine.

Answer: No || Yes || No**Question #:112**

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

Answer Area

A visualization that shows a university's current student enrollment

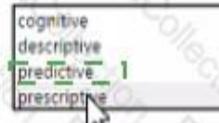
versus the maximum capacity is an example of

cognitive
descriptive
predictive
prescriptive

Answer:

Answer Area

A visualization that shows a university's current student enrollment versus the maximum capacity is an example of



analytics.

Answer Area

A visualization that shows a university's current student enrollment versus the maximum capacity is an example of

predictive analytics.

Answer: Descriptive

Question #:113

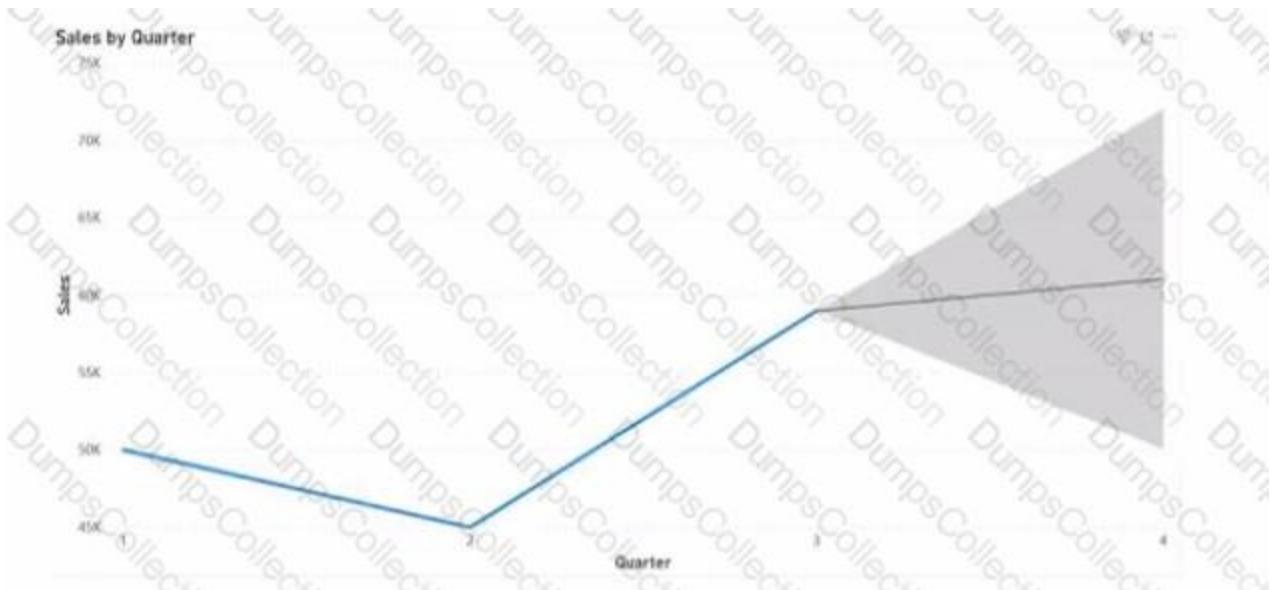
What is a benefit of the Azure Cosmos DB Table API as compared to Azure Table storage?

- A. supports partitioning
- B. provides resiliency if an Azure region fails
- C. provides a higher storage capacity
- D. supports a multi-master model

Answer: B**Question #:114**

Your company recently reported sales from the third quarter.

You have the chart shown in the following exhibit.



Which type of analysis is shown for the fourth quarter?

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

Answer: B

Question #:115

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

Azure Databricks is an Apache Spark-based collaborative analytics platform.

Azure Analysis Services is used for transactional workloads.

Azure Data Factory orchestrates data integration workflows.

Answer:

Statements**Yes** **No**

Azure Databricks is an Apache Spark-based collaborative analytics platform.

Azure Analysis Services is used for transactional workloads.

Azure Data Factory orchestrates data integration workflows.

 Statements**Yes** **No**

Azure Databricks is an Apache Spark-based collaborative analytics platform.

Azure Analysis Services is used for transactional workloads.

Azure Data Factory orchestrates data integration workflows.

Answer: Yes || No || Yes

Question #:116

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.

Answer:

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.

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.

Answer: latency is expected

Question #:117

Match the tools to the appropriate descriptions.

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

NOTE: Each correct match is worth one point.

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

Answer:

Tools	Answer Area
Azure Data Studio	Microsoft SQL Server Data Tools (SSDT) A graphical tool for managing Azure SQL databases and viewing SQL execution plans
Microsoft SQL Server Data Tools (SSDT)	Azure Data Studio A Microsoft SQL Server extension that supports connections to SQL Server and provides a rich editing experience for T-SQL
Microsoft SQL Server Management Studio (SSMS)	Microsoft SQL Server Management Studio (SSMS) A lightweight editor that can run on-demand SQL queries and view and save results as text, JSON, or Microsoft Excel files
Microsoft Visual Studio Code	Microsoft Visual Studio Code 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

Tools	Answer Area
Azure Data Studio	Microsoft SQL Server Data Tools (SSDT)
Microsoft SQL Server Data Tools (SSDT)	A graphical tool for managing Azure SQL databases and viewing SQL execution plans.
Microsoft SQL Server Management Studio (SSMS)	Azure Data Studio
Microsoft Visual Studio Code	A Microsoft SQL Server extension that supports connections to SQL Server and provides a rich editing experience for T-SQL.
	Microsoft SQL Server Management Studio (SSMS)
	A lightweight editor that can run on-demand SQL queries and view and save results as text, JSON, or Microsoft Excel files.
	Microsoft Visual Studio Code
	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.

Answer: SSMS || Visual Studio Code || Azure Data Studio || SSDT

Question #:118

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

Question #:119

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

Answer:**APIs**

- Cassandra API
- Gremlin API
- MongoDB API
- Table API

Answer Area

- Graph data
- JSON documents
- Key/value data

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

Answer: Gremlin API || MongoDB API || Table API**Question #:120**

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: B C

Question #:121

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**Question #:122**

Which Azure Data Factory component provides the compute environment for activities?

- A. a linked service
- B. an integration runtime
- C. a control flow
- D. a pipeline

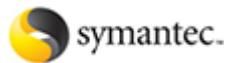
Answer: A

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