

DP-900 Dumps

Microsoft Azure Data Fundamentals

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



NEW QUESTION 1

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

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

Answer: D

NEW QUESTION 2

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

NOTE: Each correct selection is worth one point.

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

Answer: AC

NEW QUESTION 3

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 4

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

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

Answer: BC

NEW QUESTION 5

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: ACE

NEW QUESTION 6

Match the tools to the appropriate descriptions.

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

NOTE: Each correct match is worth one point.

Tools

Azure Data Studio

Microsoft SQL Server Data Tools (SSDT)

Microsoft SQL Server Management Studio (SSMS)

Microsoft Visual Studio Code

Answer Area

Tool

Tool

Tool

Tool

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

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

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

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

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Tools

Azure Data Studio

Microsoft SQL Server Data Tools (SSDT)

Microsoft SQL Server Management Studio (SSMS)

Microsoft Visual Studio Code

Answer Area

Microsoft SQL Server Data Tools (SSDT)

Azure Data Studio

Microsoft SQL Server Management Studio (SSMS)

Microsoft Visual Studio Code

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

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

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

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

NEW QUESTION 7

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

Answer Area

Relational data uses

collections

columns

keys

partitions

 to enforce relationships between different tables.

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Relational data uses

collections

columns

keys

partitions

 to enforce relationships between different tables.

NEW QUESTION 8

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

A heap

A stored procedure

A view

An index

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

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

A heap

A stored procedure

A view

An index

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

NEW QUESTION 9

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

You can query a graph database in Azure Cosmos DB

as a JSON document by using a SQL-like language.
as a partitioned row store by using Cassandra Query Language (CQL).
as a partitioned row store by using Language-Integrated Query (LINQ).
as nodes and edges by using the Gremlin language.

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

You can query a graph database in Azure Cosmos DB

as a JSON document by using a SQL-like language.
as a partitioned row store by using Cassandra Query Language (CQL).
as a partitioned row store by using Language-Integrated Query (LINQ).
as nodes and edges by using the Gremlin language.

NEW QUESTION 10

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

Answer Area

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

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
Platform as a service (PaaS) database offerings in Azure require less setup and configuration effort than infrastructure as a service (IaaS) database offerings.	<input checked="" type="radio"/>	<input type="radio"/>
Platform as a service (PaaS) database offerings in Azure provide administrators with the ability to control and update the operating system version.	<input type="radio"/>	<input checked="" type="radio"/>
All platform as a service (PaaS) database offerings in Azure can be paused to reduce costs.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 10

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

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

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 13

match the Azure data factory components to the appropriate descriptions.

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

NOTE: Each correct match is worth one point.

Components

Dataset
Linked service
Mapping data flow
Pipeline

Answer Area

Component

A representation of data structures within data stores

Component

The information used to connect to external resources

Component

A logical grouping of activities that performs a unit of work and can be scheduled

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Components

Dataset
Linked service
Mapping data flow
Pipeline

Answer Area

Dataset

A representation of data structures within data stores

Linked service

The information used to connect to external resources

Mapping data flow

A logical grouping of activities that performs a unit of work and can be scheduled

NEW QUESTION 14

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 18

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 21

Which scenario is an example of a streaming workload?

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

Answer: C

NEW QUESTION 24

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

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

NEW QUESTION 25

You have a transactional application that stem data in an Azure SQ1 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

NEW QUESTION 26

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

Answer Area

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

a data pipeline that includes a transformation engine.

a separate transformation engine.

a target data store powerful enough to transform data.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

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

a data pipeline that includes a transformation engine.

a separate transformation engine.

a target data store powerful enough to transform data.

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

NEW QUESTION 28

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 29

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

NEW QUESTION 31

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

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

Answer: C

NEW QUESTION 33

Which two Azure services can be used to provision Spark clusters? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

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

Answer: AD

NEW QUESTION 36

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Dbo.Products:

A column

A database

A table

An index

ProductName:

A column

A database

A table

An index

NEW QUESTION 40

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

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

graph.

table.

partition key.

document.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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

graph.
table.
partition key.
document.

NEW QUESTION 44

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

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.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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.

NEW QUESTION 46

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

Batch

Micro-batch

Streaming

Answer Area

Workload Type

Data for a product catalog will be loaded every 12 hours to a data warehouse.

Workload Type

Data for online purchases will be loaded to a data warehouse as the purchases occur.

Workload Type

Updates to inventory data will be loaded to a data warehouse every 1,000 transactions.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Workload Types

Batch

Micro-batch

Streaming

Answer Area

Batch

Streaming

Micro-batch

Data for a product catalog will be loaded every 12 hours to a data warehouse.

Data for online purchases will be loaded to a data warehouse as the purchases occur.

Updates to inventory data will be loaded to a data warehouse every 1,000 transactions.

NEW QUESTION 49

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

Azure Data Factory

Azure Data Lake Storage

Azure SQL Database

Azure Synapse Analytics

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

Azure Data Factory

Azure Data Lake Storage

Azure SQL Database

Azure Synapse Analytics

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 50

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 53

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

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

Answer: B

NEW QUESTION 54

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 57

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

Statements	Yes	No
When ingesting data from Azure Data Lake Storage across Azure regions, you will incur costs for bandwidth.	<input type="radio"/>	<input type="radio"/>
You can use blob, table, and file storage in the same Azure Storage account.	<input type="radio"/>	<input type="radio"/>
You implement Azure Data Lake Storage by creating an Azure Storage account.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

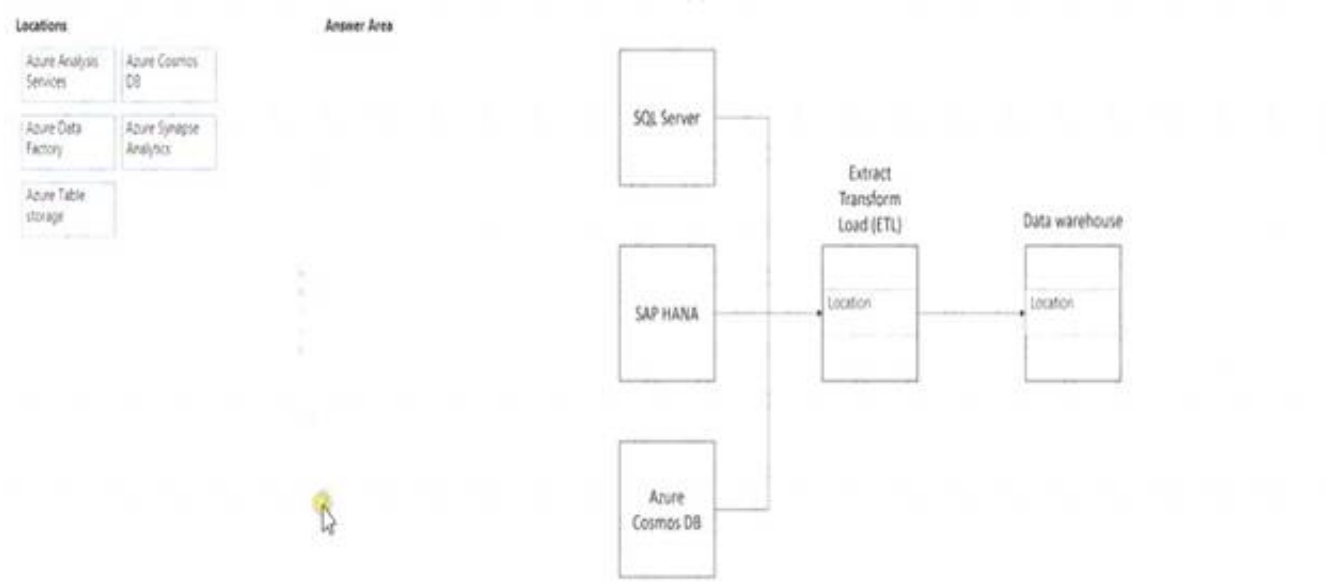
Answer: A

Explanation:

Statements	Yes	No
When ingesting data from Azure Data Lake Storage across Azure regions, you will incur costs for bandwidth.	<input checked="" type="radio"/>	<input type="radio"/>
You can use blob, table, and file storage in the same Azure Storage account.	<input checked="" type="radio"/>	<input type="radio"/>
You implement Azure Data Lake Storage by creating an Azure Storage account.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 61

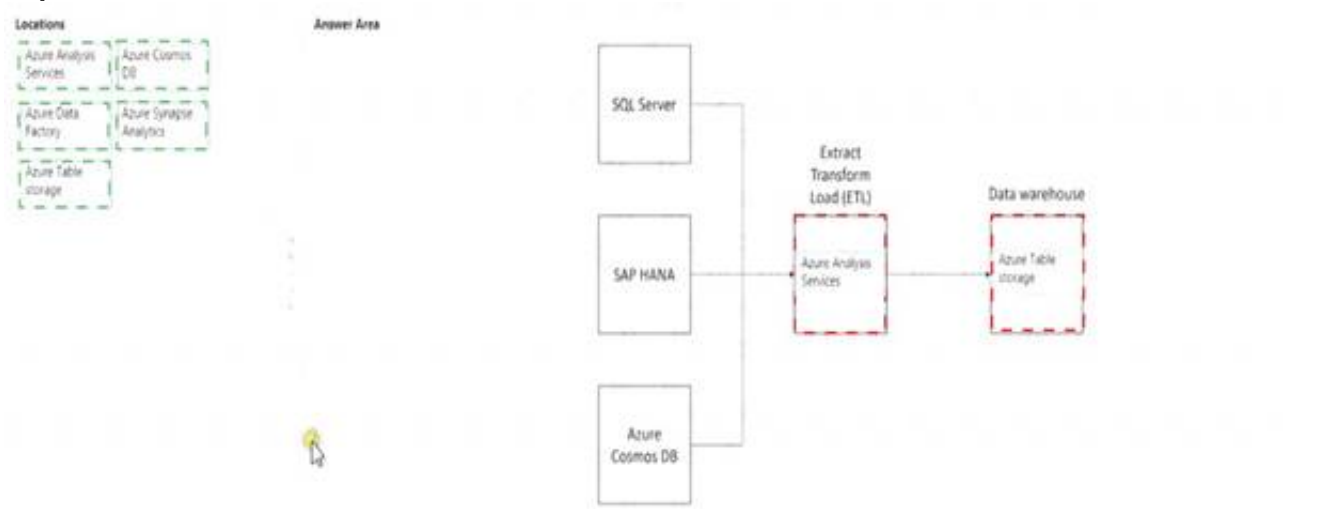
Match the Azure services to the appropriate locations in the architecture.
To answer, drag the appropriate service from the column on the left to its location on the right. Each service may be used once, more than once, or not at all.
NOTE: Each correct match is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 64

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

A clustered index

A FileTable

A foreign key

A stored procedure

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

A clustered index

A FileTable

A foreign key

A stored procedure

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

NEW QUESTION 65

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

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

Answer: B

NEW QUESTION 70

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

NEW QUESTION 75

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

NEW QUESTION 76

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

Answer Area

Relational data is stored in

a file system as unstructured data.

a hierarchal folder structure.

a tabular form of rows and columns.

comma-separated value (CSV) files.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Relational data is stored in

a file system as unstructured data.

a hierarchal folder structure.

a tabular form of rows and columns.

comma-separated value (CSV) files.

NEW QUESTION 77

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 79

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

Answer Area

A Microsoft Power BI _____ enables users to create highly formatted, _____ archiving.

fixed-layout documents or _____

dashboard

interactive report

paginated report

subscription

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Paginated Reports

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

NEW QUESTION 82

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

Answer Area

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

changes to relationships between entities.

geographically distributed writes.

transactional writes.

writes that have varying data structures.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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.

NEW QUESTION 84

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

The developers need to connect to and query an Azure SQL database from the computers. The developers require code assistance features such as IntelliSense. What should the developers use?

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

Answer: B

NEW QUESTION 85

.....

Thank You for Trying Our Product

* 100% Pass or Money Back

All our products come with a 90-day Money Back Guarantee.

* One year free update

You can enjoy free update one year. 24x7 online support.

* Trusted by Millions

We currently serve more than 30,000,000 customers.

* Shop Securely

All transactions are protected by VeriSign!

100% Pass Your DP-900 Exam with Our Prep Materials Via below:

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