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Exam : **DP-900-Deutsch**

Title : Microsoft Azure Data
Fundamentals (DP-900
Deutsch Version)

Vendor : Microsoft

Version : DEMO

QUESTION NO: 1

Welche Art von nicht relationalem Datenspeicher unterstützt ein flexibles Schema, speichert Daten als JSON-Dateien und speichert alle Daten für eine Entität im selben Dokument?

- A. Dokument
- B. säulenförmig
- C. Grafik
- D. Zeitreihe

Answer: A

QUESTION NO: 2

Ordnen Sie die Workload-Typen dem entsprechenden Szenario zu.

Um diese Frage zu beantworten, ziehen Sie den entsprechenden Workload-Typ aus der linken Spalte in das entsprechende Szenario auf der rechten Seite. Jeder Workload-Typ kann einmal, mehrmals oder gar nicht verwendet werden.

HINWEIS: Jede richtige Übereinstimmung ist einen Punkt wert.

Workload Types	Answer Area
Batch	
Micro-batch	
Streaming	
	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.

Answer:

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

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

QUESTION NO: 3

Ordnen Sie die Begriffe den entsprechenden Beschreibungen zu.

Um zu antworten, ziehen Sie den entsprechenden Begriff aus der linken Spalte in die entsprechende Beschreibung auf der rechten Seite. Jeder Begriff kann einmal, mehrmals oder gar nicht vorkommen.

HINWEIS: Jede richtige Übereinstimmung ist einen Punkt wert.

Term	Answer Area
Data warehouses	
Dimension tables	
Extract, transform, and load (ETL)	
Fact tables	
Online analytical processing (OLAP)	
	A solution that copies data from files and online transaction processing (OLTP) databases into an analytical processing system.
	Contains numeric values that can be analyzed.
	A solution that stores data in a relational schema that is optimized for read operations.

Answer:

Term	Answer Area
Data warehouses	A solution that copies data from files and online transaction processing (OLTP) databases into an analytical processing system.
Dimension tables	Contains numeric values that can be analyzed.
Extract, transform, and load (ETL)	
Fact tables	A solution that stores data in a relational schema that is optimized for read operations.
Online analytical processing (OLAP)	

Term	Answer Area
Data warehouses	A solution that copies data from files and online transaction processing (OLTP) databases into an analytical processing system.
Dimension tables	Contains numeric values that can be analyzed.
Fact tables	A solution that stores data in a relational schema that is optimized for read operations.

QUESTION NO: 4

Ordnen Sie die Begriffe den entsprechenden Beschreibungen zu.

Um zu antworten, ziehen Sie den entsprechenden Begriff aus der linken Spalte in die entsprechende Beschreibung auf der rechten Seite. Jeder Begriff kann einmal, mehrmals oder gar nicht vorkommen.

HINWEIS: Jede richtige Übereinstimmung ist einen Punkt wert.

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

Answer:

Terms	Answer Area
Index	A database object that holds data
View	A database object whose content is defined by a query
Table	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

Reference:

- [https://en.wikipedia.org/wiki/Table_\(database\)#:~:text=A%20table%20is%20a%20collection,table%20format%20with%20a%20database.&text=In%20relational%20databases%2C%20and%20flat,a%20row%20and%20column%20in%20tersect.](https://en.wikipedia.org/wiki/Table_(database)#:~:text=A%20table%20is%20a%20collection,table%20format%20with%20a%20database.&text=In%20relational%20databases%2C%20and%20flat,a%20row%20and%20column%20in%20tersect.)
- [https://en.wikipedia.org/wiki/View_\(SQL\)](https://en.wikipedia.org/wiki/View_(SQL))

[https://en.wikipedia.org/wiki/Database_index#:~:text=A%20database%20index%20is%20a,maintain%20the%20index%20data%20 structure.](https://en.wikipedia.org/wiki/Database_index#:~:text=A%20database%20index%20is%20a,maintain%20the%20index%20data%20structure)

QUESTION NO: 5

Was sind zwei Merkmale der Echtzeitdatenverarbeitung? Jede richtige Antwort bietet eine vollständige Lösung.

HINWEIS: Jede richtige Auswahl ist einen Punkt wert.

- A. Daten werden beim Erstellen verarbeitet.
- B. Es wird eine geringe Latenz erwartet
- C. Hohe Latenz akzeptabel
- D. Daten werden regelmäßig verarbeitet

Answer: A B

Explanation:

Real time processing deals with streams of data that are captured in real-time and processed with minimal latency to generate real-time (or near-real-time) reports or automated responses.

Reference:

<https://docs.microsoft.com/en-us/azure/architecture/data-guide/big-data/real-time-processing>

QUESTION NO: 6

Wählen Sie die Antwort aus, die den Satz richtig vervollständigt.

Answer Area

Select a capture mode

When provisioning an Azure Cosmos DB , you need to specify which type of API you will use.

Answer:

See the answer in explanation below.

Explanation:

Answer below as:

Answer Area

Select a capture mode

When provisioning an Azure Cosmos DB , you need to specify which type of API you will use.

QUESTION NO: 7

Was ist erforderlich, um Azure Data Lake Storage in einem Azure Storage-Konto bereitzustellen?

- A. Versionierung muss aktiviert sein.
- B. Hierarchischer Namensraum muss aktiviert sein.
- C. Hierarchischer Namensraum muss deaktiviert sein.
- D. Versionierung muss deaktiviert sein.

Answer: B

QUESTION NO: 8

Wählen Sie die Antwort aus, die den Satz richtig vervollständigt.

Answer:

See the answer below:

Explanation:

Answer as below.

Answer Area

A key/value data store is optimized for ▼

QUESTION NO: 9

Um den Satz zu vervollständigen, wählen Sie im Antwortbereich die entsprechende Option aus.

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.
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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.

QUESTION NO: 10

Welche Azure Cosmos DB-API sollten Sie für eine Graphdatenbank verwenden?

- A. Azure Cosmos DB für Apache Gremlin
- B. Azure Cosmos DB für NoSQL
- C. Azure Cosmos DB für Apache Cassandra
- D. Azure Cosmos DB für Tabelle

Answer: A

QUESTION NO: 11

Wählen Sie für jede der folgenden Aussagen „Ja“, wenn sie wahr ist. Andernfalls wählen Sie „Nein“. HINWEIS: Jede richtige Antwort ist einen Punkt wert.

Answer Area

Statements	Yes	No
Stream processing can process all the data in a dataset at once.	<input type="radio"/>	<input type="radio"/>
Batch processing occurs immediately, with latency in the order of seconds or milliseconds.	<input type="radio"/>	<input type="radio"/>
Stream processing is used for simple response functions, aggregates, or calculations, such as rolling averages.	<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area

Statements	Yes	No
Stream processing can process all the data in a dataset at once.	<input type="radio"/>	<input type="radio"/>
Batch processing occurs immediately, with latency in the order of seconds or milliseconds.	<input type="radio"/>	<input type="radio"/>
Stream processing is used for simple response functions, aggregates, or calculations, such as rolling averages.	<input type="radio"/>	<input type="radio"/>

Answer Area

Statements	Yes	No
Stream processing can process all the data in a dataset at once.	<input checked="" type="radio"/>	<input type="radio"/>
Batch processing occurs immediately, with latency in the order of seconds or milliseconds.	<input type="radio"/>	<input checked="" type="radio"/>
Stream processing is used for simple response functions, aggregates, or calculations, such as rolling averages.	<input type="radio"/>	<input checked="" type="radio"/>

QUESTION NO: 12

Wählen Sie die Antwort aus, die den Satz richtig vervollständigt.

Select the answer that correctly completes the sentence.

Answer Area

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

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

Answer:

Select the answer that correctly completes the sentence.

Answer Area

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

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

Answer Area

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

QUESTION NO: 13

Was ist ein Vorteil der Azure Cosmos DB-Tabellen-API im Vergleich zum Azure Table-Speicher?

- A. unterstützt die Partitionierung
- B. Bietet Ausfallsicherheit, wenn die Art Azure-Region ausgeblendet wird
- C. Bietet eine höhere Speicherkapazität
- D. Unterstützt ein Multi-Master-Modell

Answer: D

Explanation:

Multi-master support for Azure Cosmos DB is now available in all public regions.

Azure CosmosDB table API is a key-value storage hosted in the cloud. It ' s a part of Azure Cosmos DB, that is Microsoft ' s multi-model database.

Reference:

<https://docs.microsoft.com/en-us/azure/cosmos-db/table-support>

QUESTION NO: 14

Ordnen Sie die Stellenrollen den entsprechenden Aufgaben zu.

Um diese Frage zu beantworten, ziehen Sie die entsprechende Jobrolle aus der linken Spalte in die entsprechende Aufgabe auf der rechten Seite. Jede Rolle kann einmal, mehrmals oder gar nicht verwendet werden.

HINWEIS: Jede richtige Übereinstimmung ist einen Punkt wert.

Job roles	Answer Area
<input type="text" value="Data analyst"/>	<input type="text"/> Create a pipeline to transfer data from a database to a data warehouse.
<input type="text" value="Data architect"/>	<input type="text"/> Create a transactional database.
<input type="text" value="Data engineer"/>	<input type="text"/> Create a chart that shows sales transactions by week.
<input type="text" value="Database administrator"/>	

Answer:

Job roles

- Data analyst
- Data architect
- Data engineer
- Database administrator

Answer Area

Data engineer Create a pipeline to transfer data from a database to a data warehouse.

Data architect Create a transactional database.

Data analyst Create a chart that shows sales transactions by week.

Job roles

- Data analyst
- Data architect
- Data engineer
- Database administrator

Answer Area

Data engineer Create a pipeline to transfer data from a database to a data warehouse.

Data architect Create a transactional database.

Data analyst Create a chart that shows sales transactions by week.

QUESTION NO: 15

Welche Speicherlösung unterstützt die rollenbasierte Zugriffssteuerung (RBAC) auf Datei- und Ordner Ebene?

- A. Azure-Festplattenspeicher
- B. Azure Data Lake-Speicher
- C. Azure Blob-Speicher
- D. Azure Queue-Speicher

Answer: B

Reference:

[https:// docs.microsoft.com/en-us/azure/ storage/blobs/data-lake-storage-access-control](https://docs.microsoft.com/en-us/azure/storage/blobs/data-lake-storage-access-control)

QUESTION NO: 16

Wählen Sie die Antwort aus, die den Satz richtig vervollständigt.

In a SQL statement, are examples of aggregate functions.

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

Answer:

In a SQL statement, are examples of aggregate functions.

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

Explanation:

In a SQL statement, are examples of aggregate functions.

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

An aggregate function performs a calculation on a set of values, and returns a single value.

The following are aggregate functions:

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

Reference:

<https://docs.microsoft.com/en-us/sql/t-sql/functions/aggregate-functions-transact-sql?view=sql-server-ver15>

QUESTION NO: 17

Wählen Sie die Antwort aus, die den Satz richtig vervollständigt.

Answer Area

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

Answer:

See the answer in explanation below.

Explanation:

Answer below as:

Answer Area

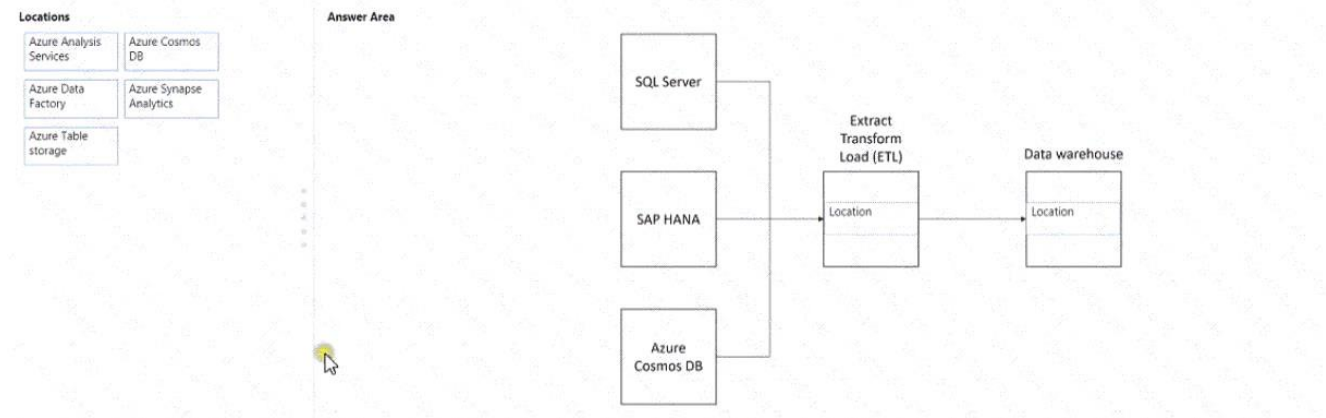
The clause can be used in Data Manipulation Language (DML) statements to specify the criteria that rows must match.

QUESTION NO: 18

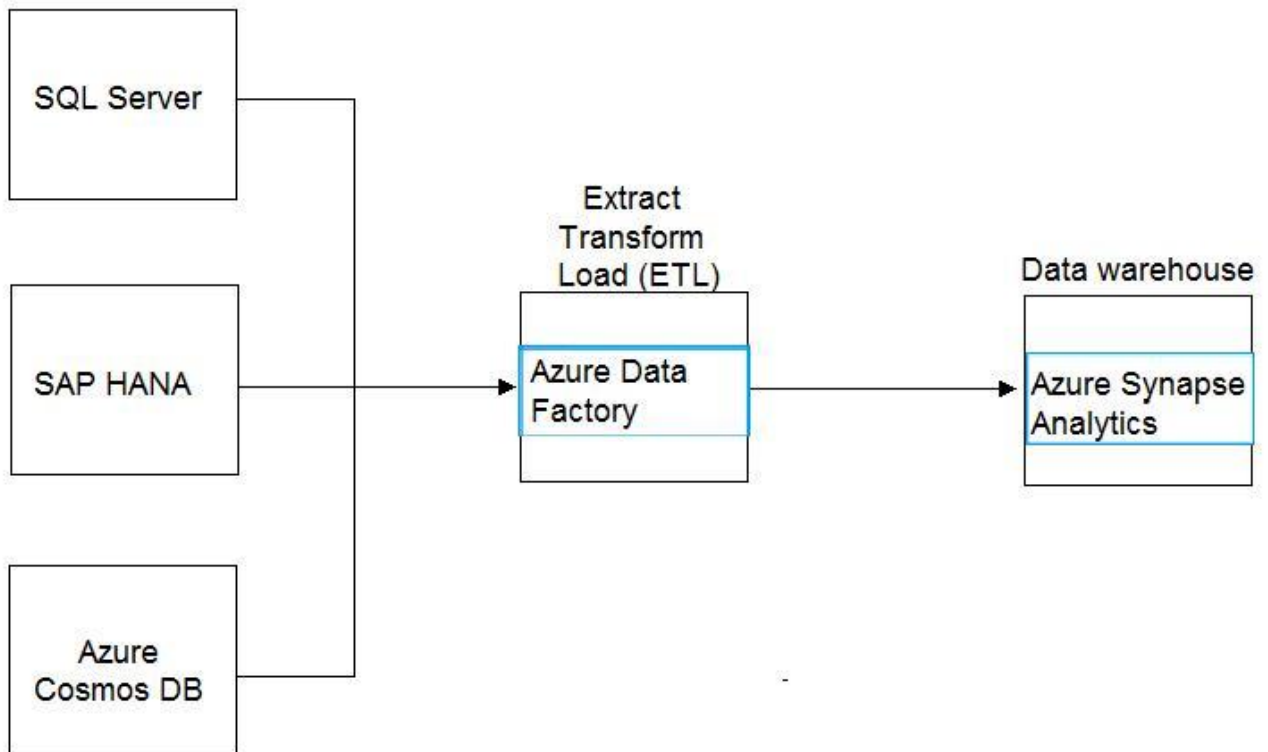
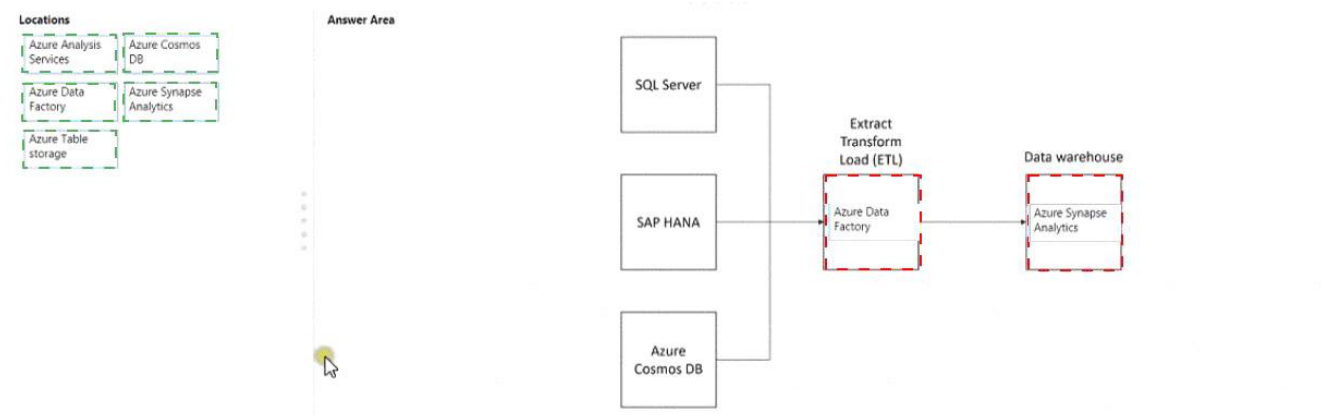
Ordnen Sie die Azure-Dienste den entsprechenden Stellen in der Architektur zu.

Um diese Frage zu beantworten, ziehen Sie den entsprechenden Dienst aus der linken Spalte an die rechte Stelle. Jeder Dienst kann einmal, mehrmals oder gar nicht genutzt werden.

HINWEIS: Jede richtige Übereinstimmung ist einen Punkt wert.



Answer:



QUESTION NO: 19

Wählen Sie für jede der folgenden Aussagen „Ja“, wenn sie wahr ist. Andernfalls wählen Sie „Nein“. HINWEIS: Jede richtige Antwort ist einen Punkt wert.

Answer Area

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

Answer:

Answer Area

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

Answer Area

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

QUESTION NO: 20

Um den Satz zu vervollständigen, wählen Sie im Antwortbereich die entsprechende Option aus.

	▼
A heap	
A stored procedure	
A view	
An index	

presents content defined by a query.

Answer:

	▼
A heap	
A stored procedure	
A view	
An index	

presents content defined by a query.

Explanation:

A View

QUESTION NO: 21

Um den Satz zu vervollständigen, wählen Sie im Antwortbereich die entsprechende Option aus.

To configure an Azure Storage account to support access control lists that have object-level permissions,

	▼
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 access control lists that have object-level permissions,

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

Explanation:

To configure an Azure Storage account to support access control lists that have object-level permissions,

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

A key mechanism that allows Azure Data Lake Storage Gen2 to provide file system performance at object storage scale and prices is the addition of a hierarchical namespace. This allows the collection of objects/files within an account to be organized into a hierarchy of directories and nested subdirectories in the same way that the file system on your computer is organized. With a hierarchical namespace enabled, a storage account becomes capable of providing the scalability and cost-effectiveness of object storage, with file system semantics that are familiar to analytics engines and frameworks.

Reference:

<https://docs.microsoft.com/en-us/azure/storage/blobs/data-lake-storage-namespace>

QUESTION NO: 22

Welches Dateiformat hat definierte Namen und Datentypen für jede Spalte und verwendet komprimierte Spaltenspeicherung?

- A. JSON
- B. CSV
- C. Apache Parquet
- D. HTML

Answer: C

QUESTION NO: 23

Sie verfügen über einen SQL-Pool in Azure Synapse Analytics, der jede Nacht nur acht Stunden lang aktiv genutzt wird.

Sie müssen die Kosten des SQL-Pools während Leerlaufzeiten minimieren. Die Lösung muss sicherstellen, dass die Daten intakt bleiben.

Was sollten Sie im SQL-Pool tun?

- A. Skalieren Sie die Data Warehouse-Einheiten (DWUs) herunter.
- B. Pausieren Sie den Pool.
- C. Erstellen Sie einen benutzerdefinierten Wiederherstellungspunkt.
- D. Löscht den Pool

Answer: B

Reference:

<https://docs.microsoft.com/en-us/azure/synapse-analytics/sql-data-warehouse/sql-data-warehouse-managecompute-overview>

QUESTION NO: 24

Sie müssen eine Lösung entwickeln, um Führungskräften Daten bereitzustellen. Die Lösung muss eine interaktive grafische Benutzeroberfläche bieten, verschiedene wichtige Leistungsindikatoren darstellen und die Datenexploration durch Drilldown unterstützen.

Was sollten Sie in Microsoft Power BI verwenden?

- A. ein Dashboard
- B. Microsoft Power Apps
- C. ein Datenfluss
- D. ein Bericht

Answer: D

Reference:

<https://docs.microsoft.com/en-us/power-bi/consumer/end-user-dashboards>

<https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-kpi>

<https://docs.microsoft.com/en-us/power-bi/consumer/end-user-drill>

QUESTION NO: 25

Wählen Sie die Antwort aus, die den Satz richtig vervollständigt.

Answer:

See the answer below:

Explanation:

Answer as below.

Answer Area

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

QUESTION NO: 26

Welcher Datenbanktyp ist Azure Database for PostgreSQL?

- A. Plattform als Service (PaaS)
- B. Infrastruktur als Service (IaaS)
- C. Microsoft SQL Server
- D. vor Ort

Answer: B

Reference:

[http s://docs.microsoft.com/en-us/azure/postgresql/overview-postgres-choose-server-options](http://s://docs.microsoft.com/en-us/azure/postgresql/overview-postgres-choose-server-options)

QUESTION NO: 27

Welche Einstellung kann nur beim Erstellen eines Azure Cosmos DB-Kontos konfiguriert werden?

- A. Geo-Redundanz
- B. Schreibvorgänge für mehrere Regionen
- C. Produktions- oder Nichtreduktionskontotyp
- D. API

Answer: D

Explanation:

You must create a separate account for each API.

Reference:

<https://docs.microsoft.com/en-us/ azure/cosmos-db/how-to-manage-database-account>

QUESTION NO: 28

Ihr Unternehmen muss eine relationale Datenbank in Azure implementieren. Die Lösung muss die laufende Wartung minimieren.

Welchen Azure-Dienst sollten Sie verwenden?

- A. Azure HDInsight
- B. Azure SQL-Datenbank
- C. Azure Cosmos DB
- D. SQL Server auf virtuellen Azure-Maschinen

Answer: B

Reference:

<https://azure.microsoft.com/en-us/services/sql -database/#features>

QUESTION NO: 29

Wählen Sie für jede der folgenden Aussagen „Ja“, wenn sie wahr ist. Andernfalls wählen Sie „Nein“. HINWEIS: Jede richtige Antwort ist einen Punkt wert.

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"/>

Answer:

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"/>

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"/>

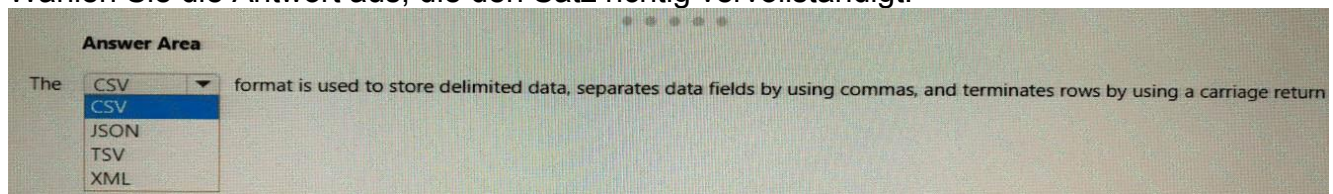
Reference:

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-paas-overview>

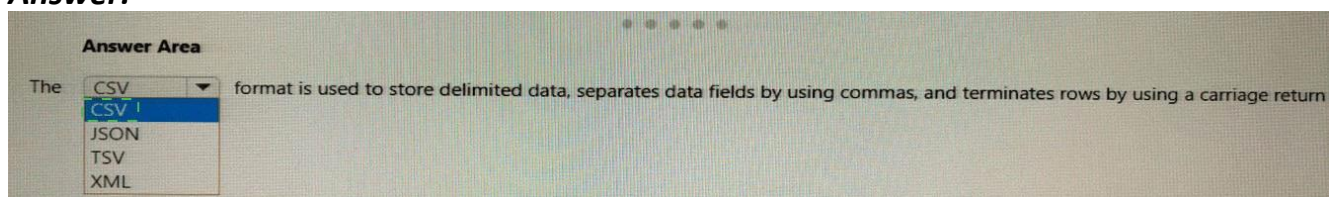
<https://azure.microsoft.com/en-us/blog/announcing-sql-atp-and-sql-vulnerability-assessment-general-availability/>

QUESTION NO: 30

Wählen Sie die Antwort aus, die den Satz richtig vervollständigt.



Answer:



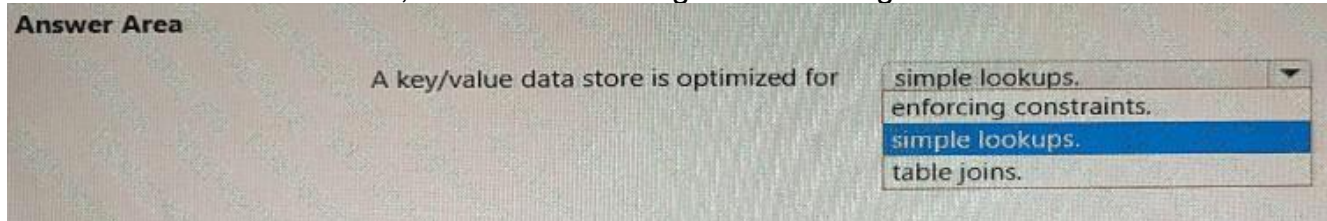
Explanation:

CSV

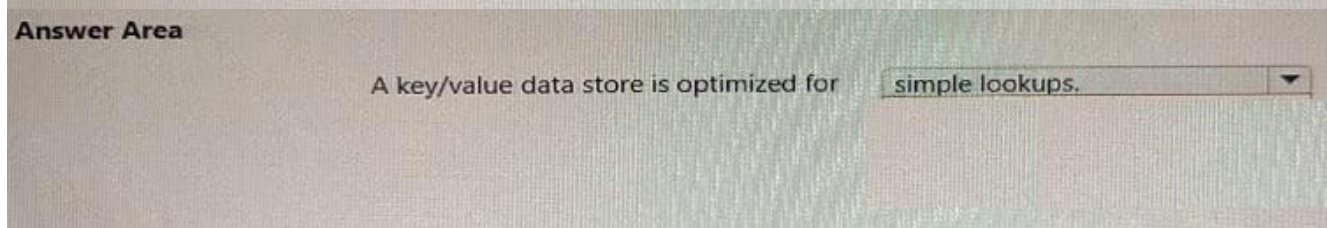
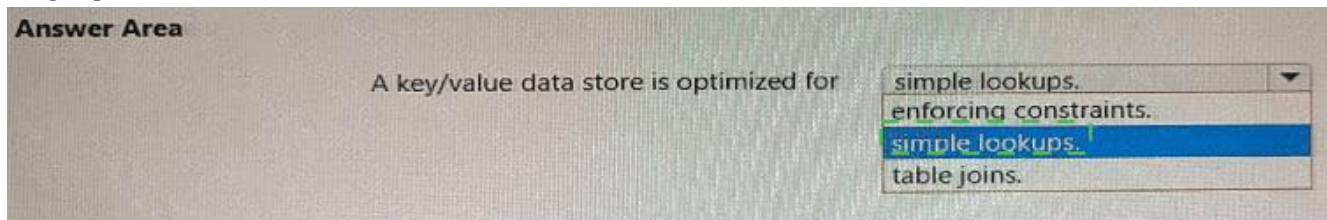
* CSV (Comma-separated values): This is a text file format that uses commas (,) as column delimiters and carriage returns (\r\n) as row delimiters. CSV files are widely used for exchanging data between different applications and platforms 1 2 3 .

QUESTION NO: 31

Wählen Sie die Antwort aus, die den Satz richtig vervollständigt.



Answer:

**QUESTION NO: 32**

Sie haben Daten im folgenden Format gespeichert.

```
{
  "firstName": "John",
  "lastName": "Doe",
  "age": "23",
  "hobbies": [
    { "type": "Sports", "value": "Golf" },
    { "type": "Leisure", "value": "Reading" },
    { "type": "Leisure", "value": "Guitar" }
  ]
}
```

Welches Format wurde verwendet?

- A. XML
- B. Jaml
- C. JSON
- D. HTML

Answer: A

