

DP-900^{Q&As}

Microsoft Azure Data Fundamentals

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QUESTION 1

HOTSPOT

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Stream processing has access to the most recent data received or data within a rolling time window.	<input type="radio"/>	<input type="radio"/>
Batch processing must occur immediately and have 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"/>

Correct Answer:

Answer Area

Statements	Yes	No
Stream processing has access to the most recent data received or data within a rolling time window.	<input checked="" type="radio"/>	<input type="radio"/>
Batch processing must occur immediately and have 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"/>

Reference: <https://docs.microsoft.com/en-us/sql/relational-databases/polybase/polybase-guide?view=sql-server-ver15>

QUESTION 2

You have data saved in the following format.

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

Which format was used?

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

Correct Answer: C

QUESTION 3

HOTSPOT

Select the answer that correctly completes the sentence.

Hot Area:

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

distributes processing across compute nodes.

Correct Answer:

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

distributes processing across compute nodes.

QUESTION 4

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)

Correct Answer: D

Reference: <https://datawarehouseinfo.com/how-does-oltp-differ-from-olap-database/>

QUESTION 5

HOTSPOT

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

NOTE: Each correct selection is worth one point.

Hot Area:

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

Correct Answer:

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

Box 1: Yes Big data solutions often use long-running batch jobs to filter, aggregate, and otherwise prepare the data for analysis. Usually these jobs involve reading source files from scalable storage (like HDFS, Azure Data Lake Store, and Azure Storage), processing them, and writing the output to new files in scalable storage.

Box 2: No

Box 3: No

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

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