DP-900: Microsoft Azure Data Fundamentals
Sample Questions

Last updated: 3/26/2022

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Microsoft is exploring the possibility of providing sample questions as an exam preparation resource, and we would like your feedback. While we prefer that you complete the survey after taking the exam, you may complete it at any time. Thank You!

User Guide

These sample questions are intended to provide an overview of the style, wording, and difficulty of the questions that you are likely to experience on this exam. These questions are **not** the same as what you will see on the exam nor is this document illustrative of the length of the exam or its complexity (e.g., you may see additional question types, multiple case studies, and possibly labs). These questions are **examples** only to provide insight into what to expect on the exam and help you determine if additional preparation is required.

In the first section, you will find the questions without answers so that you can test your knowledge. In the second section, the answer, a rationale, and a URL that will link you to additional information is provided immediately below each question.

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Questions

Question # 1 (Sentence completion)

Select the answer that correctly completes the sentence.

Objects in which things about data should be captured and stored are called: _____.

A. tables
B. entities
C. rows
D. columns

Question # 2 (Sentence completion)

Select the answer that correctly completes the sentence.

You need to process data that is generated continuously and near real-time responses are required.

You should use _____.

A. batch processing
B. scheduled data processing
C. buffering and processing
D. streaming data processing

Question # 3 (Matching)

You are evaluating data processing approaches.

Match the data processing approaches on the left to the requirements on the right.

Data processing approaches	**Descriptions**
A. Extract, Transform, Load (ETL)	_____ 1. Optimize data privacy.
B. Extract, Load, Transform (ELT)	_____ 2. Provide support for Azure Data Lake.
	_____ 3. Manage large volumes of data.

Question # 4 (Multiple choice)

Select the answer that correctly completes the sentence.

The technique that provides recommended actions that you should take to achieve a goal or target is called _____ analytics.

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

Question # 5 (Matching)

Match the data processing objects on the left to the requirements on the right.

Data processing objects	**Descriptions**
A. Tables	_____ 1. Create relationships.
B. Indexes	_____ 2. Improve processing speed for data searches.
C. Views	_____ 3. Store instances of entities as rows.
D. Keys	_____ 4. Display data from predefined queries.

Question # 6 (Sentence completion)

Select the answer that correctly completes the sentence.

The process of splitting an entity into more than one table to reduce data redundancy is called: _____.

A. deduplication
B. denormalization
C. normalization
D. optimization

Question # 7 (Sentence completion)

Select the answer that correctly completes the sentence.

Azure SQL Database is an example of _____ -as-a-service.

A. platform
B. infrastructure
C. software
D. application

Question # 8 (Matching)

You need to query an Azure SQL database.

Match the query tools on the left to the correct scenarios on the right.

Query Tools	**Descriptions**
A. Azure Data Studio	_____ 1. Query data while working within a Visual Studio project.
B. Azure Query editor	_____ 2. Query data located in a non-Microsoft platform.
C. SQL Server Data Tools	_____ 3. Query data from within the Azure portal.

Question # 9 (Sentence completion)

Select the answer that correctly completes the sentence.

The act of increasing or decreasing the resources that are available for a service is called: _____.

A. computing
B. provisioning
C. networking
D. scaling

Question # 10 (Matching)

You are creating queries to retrieve data from an Azure SQL database.

Match the SQL clauses or functions on the left to the requirements on the right.

SQL clauses	**Descriptions**
A. JOIN	_____ 1. Filter records.
B. WHERE	_____ 2. Combine rows from multiple tables.
C. SUM	_____ 3. Calculate the total value of a numeric column.
D. COUNT	_____ 4. Determine the number of rows retrieved.

Question # 11 (Multiple choice)

What are three characteristics of non-relational data? Each correct answer presents a complete solution.

A. Forced schema on data structures
B. Flexible storage of ingested data
C. Entities are self-describing
D. Entities may have different fields
E. Each row has the exact same columns