➢ **Vendor:** Microsoft

➢ **Exam Code:** DP-900

➢ **Exam Name:** Microsoft Azure Data Fundamentals

➢ **New Updated Questions from Braindump2go (Updated in August/2020)**

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Exam A

QUESTION 1
HOTSPOT

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

Hot Area:

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.

Correct Answer:

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.

Explanation

Explanation/Reference:
Reference:
https://demand-planning.com/2020/01/20/the-differences-between-descriptive-diagnostic-predictive-cognitive-analytics/

QUESTION 2
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
Normalization involves eliminating relationships between database tables.	○	○
Normalizing a database reduces data redundancy.	○	○
Normalization improves data integrity.	○	○

Correct Answer:

Answer Area

Statements	Yes	No
Normalization involves eliminating relationships between database tables.	○	⊙
Normalizing a database reduces data redundancy.	⊙	○
Normalization improves data integrity.	⊙	○

Explanation

Explanation/Reference:
Reference:
https://www.sqlshack.com/what-is-database-normalization-in-sql-server/

QUESTION 3
HOTSPOT

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

Hot Area:

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.

Correct Answer:

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.

Explanation

Explanation

/Reference:
Reference:
https://docs.microsoft.com/en-us/azure/architecture/data-guide/relational-data/etl

QUESTION 4
HOTSPOT

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

Hot Area:

Answer Area

In batch processing, [▼]

data is always inserted one row at a time.
data is processed in real-time.
latency is expected.
processing car only execute serially.

Correct Answer:

Answer Area

In batch processing, [dropdown ▼]

data is always inserted one row at a time.
data is processed in real-time.
latency is expected.
processing car only execute serially.

Explanation

Explanation/

Reference:
Reference:
https://www.bmc.com/blogs/what-is-batch-processing-batch-processing-explained/

QUESTION 5
DRAG DROP

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.

Select and Place:

Analytics Types

| Cognitive |
| Diagnostic |
| Descriptive |
| Predictive |
| Prescriptive |

Answer Area

	Why did sales increase last month?
	How do I allocate my budget to buy different inventory items?
	Which people are mentioned in a company's business documents?

Correct Answer:

Analytics Types

| Cognitive |
| Diagnostic |
| Descriptive |
| Predictive |
| Prescriptive |

Answer Area

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?

Explanation

Explanation/Reference:
Reference:
https://demand-planning.com/2020/01/20/the-differences-between-descriptive-diagnostic-predictive-cognitive-analytics/

QUESTION 6
HOTSPOT

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

Hot Area:

Answer Area

Transcribing audio files is an example of [dropdown ▼] analytics.

cognitive
descriptive
predictive
prescriptive

Correct Answer:

Answer Area

Transcribing audio files is an example of [▼] analytics.

cognitive
descriptive
predictive
prescriptive

Explanation

Explanation/Reference:
Reference:
https://azure.microsoft.com/en-us/services/cognitive-services/speech-services/

QUESTION 7
HOTSPOT

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.

Hot Area:

Answer Area

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

Correct Answer:

Answer Area

Customer is [answer choice].
- a nested array
- a nested object
- **a root object**

Address is [answer choice].
- a nested array
- **a nested object**
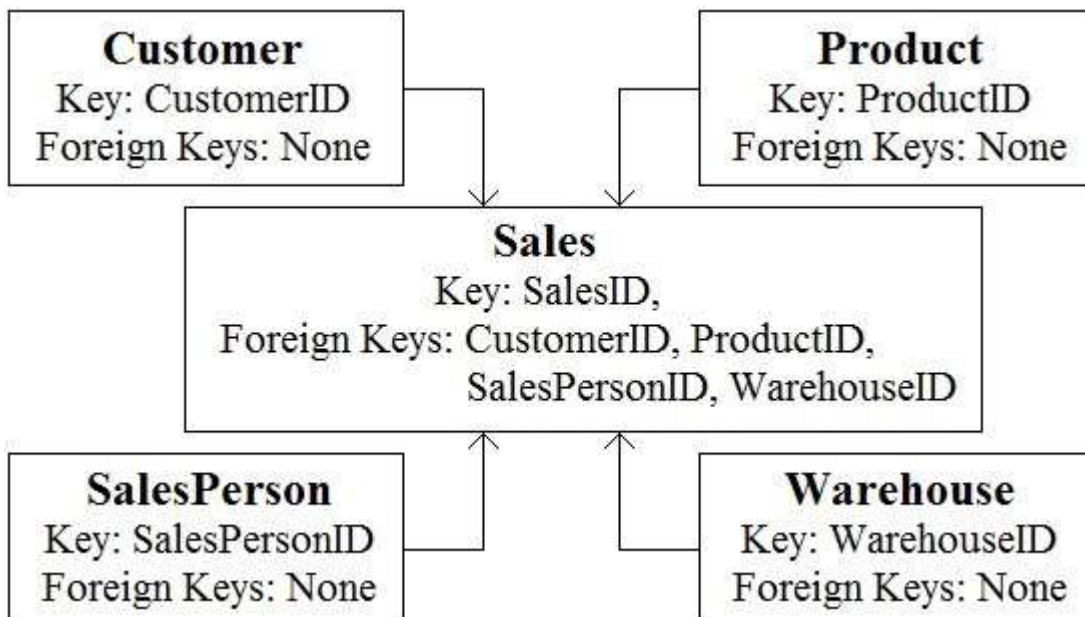- a root object

Social media is [answer choice].
- **a nested array**
- a nested object
- a root object

Explanation

Explanation/Reference:
Reference:
https://www.w3schools.com/js/js_json_arrays.asp

https://www.w3schools.com/js/js_json_objects.asp

QUESTION 8
HOTSPOT

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

Customer
Key: CustomerID
Foreign Keys: None

Product
Key: ProductID
Foreign Keys: None

Sales
Key: SalesID,
Foreign Keys: CustomerID, ProductID,
SalesPersonID, WarehouseID

SalesPerson
Key: SalesPersonID
Foreign Keys: None

Warehouse
Key: WarehouseID
Foreign Keys: None

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

Hot Area:

Answer Area

The data model is a **[answer choice]**.

transactional model
star schema
snowflake schema

Customer is a **[answer choice]** table.

fact
dimension
bridge

Correct Answer:

Answer Area

The data model is a **[answer choice]**.

transactional model
star schema
snowflake schema

Customer is a **[answer choice]** table.

fact
dimension
bridge

Explanation

Explanation/Reference:
Reference:
https://en.wikipedia.org/wiki/Snowflake_schema

https://azure.microsoft.com/en-us/blog/data-models-within-azure-analysis-services-and-power-bi/

QUESTION 9
HOTSPOT

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

Hot 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.

Correct 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.

Explanation

E

xplanation/Reference:
Reference:
https://docs.microsoft.com/en-us/azure/synapse-analytics/sql-data-warehouse/massively-parallel-processing-mpp-architecture

QUESTION 10
HOTSPOT

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

Hot Area:

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.

Correct Answer:

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.

Explanation

Explanation/Reference:
Reference:
https://docs.microsoft.com/en-us/sql/relational-databases/indexes/clustered-and-nonclustered-indexes-described?view=sql-server-ver15

QUESTION 11
HOTSPOT

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

Hot Area:

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.

Correct Answer:

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.

Explanation

Explanation/Reference: