

Microsoft.DP-600.by.Rian.30q

Website: www.VCEplus.io

Twitter: https://twitter.com/VCE_Plus

DP-600

Exam Name: Implementing Analytics Solutions Using Microsoft Fabric



Exam A

QUESTION 1

You have a Fabric workspace named Workspace 1 that contains a dataflow named Dataflow1. Dataflow1 has a query that returns 2,000 rows. You view the query in Power Query as shown in the following exhibit.

The screenshot shows the Power Query editor interface. At the top, the formula bar contains the query: `Table.SelectRows(#"Filtered rows", each [lpepPickupDatetime] >= #date(2015, 1, 1) and [lpepPickupDatetime] <= #date(2015, 1, 1))`. Below the formula bar is a table with columns: vendorID, lpepPickupDatetime, passengerCount, tripDistance, pickupLongitude, dropoffLatitude, and storeAndFwdFlag. The table shows 9 rows of data. Below the table, there are two panels: 'Column statistics' and 'Value distribution'. The 'Column statistics' panel shows: Count: 1000, Error count: 0, Null count: 0, Distinct count: 935, Unique count: 871, NaN count: 0. The 'Value distribution' panel shows a bar chart with 935 bars, each representing a unique value in the pickupLongitude column. The x-axis labels are long strings of numbers, such as -73.95008087, -73.95024872, etc. The right-hand side of the interface shows the 'Query settings' pane with 'Properties' (Name: NYC_Taxi_Green_2015_01), 'Entity type' (Custom), 'Applied steps' (Source, Navigation 1, Navigation 2, Filtered rows), and 'Data destination' (No data destination).

What can you identify about the pickupLongitude column?

- A. The column has duplicate values.
- B. All the table rows are profiled.
- C. The column has missing values.
- D. There are 935 values that occur only once.

Correct Answer: B

Section:

QUESTION 2

HOTSPOT

You need to assign permissions for the data store in the AnalyticsPOC workspace. The solution must meet the security requirements.

Which additional permissions should you assign when you share the data store? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

| | |
|-----------------|--|
| DataEngineers: | <input type="checkbox"/> Build Reports on the default dataset <input checked="" type="checkbox"/> Build Reports on the default dataset <input type="checkbox"/> Read All Apache Spark <input type="checkbox"/> Read All SQL analytics endpoint data |
| DataAnalysts: | <input type="checkbox"/> Read All Apache Spark <input type="checkbox"/> Build Reports on the default dataset <input checked="" type="checkbox"/> Read All Apache Spark <input type="checkbox"/> Read All SQL analytics endpoint data |
| DataScientists: | <input type="checkbox"/> Read All SQL analytics endpoint data <input type="checkbox"/> Build Reports on the default dataset <input type="checkbox"/> Read All Apache Spark <input checked="" type="checkbox"/> Read All SQL analytics endpoint data |

Answer Area:

Answer Area

| | |
|-----------------|--|
| DataEngineers: | <input type="checkbox"/> Build Reports on the default dataset <input checked="" type="checkbox"/> Build Reports on the default dataset <input type="checkbox"/> Read All Apache Spark <input type="checkbox"/> Read All SQL analytics endpoint data |
| DataAnalysts: | <input type="checkbox"/> Read All Apache Spark <input type="checkbox"/> Build Reports on the default dataset <input checked="" type="checkbox"/> Read All Apache Spark <input type="checkbox"/> Read All SQL analytics endpoint data |
| DataScientists: | <input type="checkbox"/> Read All SQL analytics endpoint data <input type="checkbox"/> Build Reports on the default dataset <input type="checkbox"/> Read All Apache Spark <input checked="" type="checkbox"/> Read All SQL analytics endpoint data |

Section:

Explanation:

QUESTION 3

HOTSPOT

You need to create a DAX measure to calculate the average overall satisfaction score.

How should you complete the DAX code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

```

Rolling 12 Overall Satisfaction =
VAR NumberOfMonths = 12
VAR LastCurrentDate = MAX ( 'Date'[Date] )
VAR Period = DATESINPERIOD ( 'Date'[Date], LastCurrentDate, - NumberOfMonths, MONTH )
VAR Result =
    CALCULATE (
        [Blank]
        [Blank]
    )
    'Survey Question'[Question Title] = "Overall Satisfaction"
)
RETURN
    Result
    
```

Hot Area:

Answer Area

```

Rolling 12 Overall Satisfaction =
VAR NumberOfMonths = 12
VAR LastCurrentDate = MAX ( 'Date'[Date] )
VAR Period = DATESINPERIOD ( 'Date'[Date], LastCurrentDate, - NumberOfMonths, MONTH )
VAR Result =
    CALCULATE (
        AVERAGE('Survey'[Response Value]),
        AVERAGE('Survey'[Response Value]),
        AVERAGEA('Question'[Question Text]),
        AVERAGEX(VALUE('Survey'[Customer Key]),
            NumberOfMonths,
            LastCurrentDate,
            NumberOfMonths,
            Period,
        )
    )
    'Survey Question'[Question Title] = "Overall Satisfaction"
)
RETURN
    Result
    
```

.....www.VCEplus.io

Answer Area:

Answer Area

```

Rolling 12 Overall Satisfaction =
VAR NumberOfMonths = 12
VAR LastCurrentDate = MAX ( 'Date'[Date] )
VAR Period = DATESINPERIOD ( 'Date'[Date], LastCurrentDate, - NumberOfMonths, MONTH )
VAR Result =
    CALCULATE (
        AVERAGE('Survey'[Response Value]),
        AVERAGE('Survey'[Response Value]),
        AVERAGEA('Question'[Question Text]),
        AVERAGEX(VALUE('Survey'[Customer Key]),
            NumberOfMonths,
            LastCurrentDate,
            NumberOfMonths,
            Period,
        )
    )
RETURN
    Result
    
```

Section:

Explanation:

QUESTION 4

HOTSPOT

You need to resolve the issue with the pricing group classification.

How should you complete the T-SQL statement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

www.VCEplus.io

Answer Area

```

CREATE [dropdown] [dbo].[ProductsWithPricingGroup]
AS
SELECT ProductId,
       ProductName,
       ProductCategory,
       ListPrice,
       [dropdown]
       WHEN ListPrice <= 50 THEN 'low'
       [dropdown]

END AS PricingGroup
FROM dbo.Products
    
```

Hot Area:

Answer Area

```

CREATE [dropdown] [dbo].[ProductsWithPricingGroup]
AS
SELECT ProductId,
       ProductName,
       ProductCategory,
       ListPrice,
       CASE
       WHEN ListPrice >= 50 AND ListPrice < 1000 THEN 'medium'
       WHEN ListPrice > 50 AND ListPrice <= 1000 THEN 'medium'
       WHEN ListPrice >= 50 AND ListPrice < 1000 THEN 'medium'
       WHEN ListPrice BETWEEN 50 AND 1000 THEN 'medium'
       END AS PricingGroup
FROM dbo.Products
    
```

www.VCEplus.io

Answer Area:

Answer Area

```

CREATE VIEW [dbo].[ProductswithPricingGroup]
AS
SELECT ProductID,
ProductCategory,
ListPrice,
CASE
WHEN (ListPrice >= 50 AND ListPrice < 1000 ) THEN 'medium'
WHEN (ListPrice > 50 AND ListPrice <= 1000 ) THEN 'medium'
WHEN (ListPrice >= 50 AND ListPrice < 1000 ) THEN 'medium'
WHEN ListPrice BETWEEN 50 AND 1000 ) THEN 'medium'
END AS PricingGroup
FROM dbo.Products
    
```

www.VCEplus.io

Section:

Explanation:

QUESTION 5

What should you recommend using to ingest the customer data into the data store in the AnalyticsPOC workspace?

- A. a stored procedure
- B. a pipeline that contains a KQL activity
- C. a Spark notebook
- D. a dataflow

Correct Answer: D

Section:

QUESTION 6

Which type of data store should you recommend in the AnalyticsPOC workspace?

- A. a data lake
- B. a warehouse
- C. a lakehouse
- D. an external Hive metaStore

Correct Answer: C

Section:

QUESTION 7

You have a Fabric warehouse that contains a table named Staging.Sales. Staging.Sales contains the following columns.

| Name | Data type | Nullable |
|----------------|----------------|----------|
| ProductID | Integer | No |
| ProductName | Varchar(30) | No |
| SalesDate | Datetime2(6) | No |
| WholesalePrice | Decimal(18, 2) | Yes |
| Amount | Decimal(18, 2) | Yes |

You need to write a T-SQL query that will return data for the year 2023 that displays ProductID and ProductName and has a summarized Amount that is higher than 10,000. Which query should you use?

A)

```
SELECT ProductID, ProductName, SUM(Amount) AS TotalAmount
FROM Staging.Sales
WHERE DATEPART(YEAR,SaleDate) = '2023'
GROUP BY ProductID, ProductName
HAVING SUM(Amount) > 10000
```

B)

```
SELECT ProductID, ProductName, SUM(Amount) AS TotalAmount
FROM Staging.Sales
GROUP BY ProductID, ProductName
HAVING DATEPART(YEAR,SaleDate) = '2023' AND SUM(Amount) > 10000
```

C)

```
SELECT ProductID, ProductName, SUM(Amount) AS TotalAmount
FROM Staging.Sales
WHERE DATEPART(YEAR,SaleDate) = '2023' AND SUM(Amount) > 10000
```

D)

```
SELECT ProductID, ProductName, SUM(Amount) AS TotalAmount
FROM Staging.Sales
WHERE DATEPART(YEAR,SaleDate) = '2023'
GROUP BY ProductID, ProductName
HAVING TotalAmount > 10000
```

www.VCEplus.io

- A. Option A
- B. Option B
- C. Option C
- D. Option D

Correct Answer: A
Section:

QUESTION 8

HOTSPOT

You have a data warehouse that contains a table named Stage.Customers. Stage.Customers contains all the customer record updates from a customer relationship management (CRM) system. There can be multiple updates per customer.

You need to write a T-SQL query that will return the customer ID, name, postal code, and the last updated time of the most recent row for each customer ID.

How should you complete the code? To answer, select the appropriate options in the answer area.

NOTE Each correct selection is worth one point.

Hot Area:

Answer Area

```
WITH CUSTOMERBASE AS (
    SELECT [CustomerID]
    , [CustomerName]
    , [PostalCode]
    , [LastUpdated]
    , X = ROW_NUMBER() OVER (PARTITION BY CustomerID ORDER BY LastUpdated DESC)
    FROM CUSTOMERBASE
    WHERE X = 1
)
```

Answer Area:

Answer Area

```
WITH CUSTOMERBASE AS (
    SELECT [CustomerID]
    , [CustomerName]
    , [PostalCode]
    , [LastUpdated]
    , X = ROW_NUMBER() OVER (PARTITION BY CustomerID ORDER BY LastUpdated DESC)
    FROM CUSTOMERBASE
    WHERE X = 1
)
```

www.VCEplus.io

Section:

Explanation:

QUESTION 9

You have a Fabric workspace that contains a DirectQuery semantic model. The model queries a data source that has 500 million rows.

You have a Microsoft Power BI report named Report1 that uses the model. Report1 contains visuals on multiple pages.

You need to reduce the query execution time for the visuals on all the pages.

What are two features that you can use? Each correct answer presents a complete solution.

NOTE: Each correct answer is worth one point.

- A. user-defined aggregations
- B. automatic aggregation
- C. query caching
- D. OneLake integration

Correct Answer: A, B

Section:

QUESTION 10

You have a Fabric tenant that contains 30 CSV files in OneLake. The files are updated daily.

You create a Microsoft Power BI semantic model named Model1 that uses the CSV files as a data source. You configure incremental refresh for Model 1 and publish the model to a Premium capacity in the Fabric tenant.

When you initiate a refresh of Model1, the refresh fails after running out of resources.

What is a possible cause of the failure?

- A. Query folding is occurring.
- B. Only refresh complete days is selected.
- C. XMLA Endpoint is set to Read Only.
- D. Query folding is NOT occurring.
- E. The data type of the column used to partition the data has changed.

Correct Answer: E

Section:

QUESTION 11

You have a Fabric tenant that uses a Microsoft tower BI Premium capacity. You need to enable scale-out for a semantic model. What should you do first?

- A. At the semantic model level, set Large dataset storage format to Off.
- B. At the tenant level, set Create and use Metrics to Enabled.
- C. At the semantic model level, set Large dataset storage format to On.
- D. At the tenant level, set Data Activator to Enabled.

Correct Answer: C

Section:

QUESTION 12

You have a Fabric tenant that contains a warehouse. The warehouse uses row-level security (RLS). You create a Direct Lake semantic model that uses the Delta tables and RLS of the warehouse. When users interact with a report built from the model, which mode will be used by the DAX queries?

- A. DirectQuery
- B. Dual
- C. Direct Lake
- D. Import

Correct Answer: C

Section:

QUESTION 13

You have a Fabric tenant that contains a complex semantic model. The model is based on a star schema and contains many tables, including a fact table named Sales. You need to create a diagram of the model. The diagram must contain only the Sales table and related tables. What should you use from Microsoft Power BI Desktop?

- A. data categories
- B. Data view
- C. Model view
- D. DAX query view

Correct Answer: C

Section:

QUESTION 14

You have a Fabric tenant that contains a semantic model. The model uses Direct Lake mode.

You suspect that some DAX queries load unnecessary columns into memory.

You need to identify the frequently used columns that are loaded into memory.

What are two ways to achieve the goal? Each correct answer presents a complete solution.

NOTE: Each correct answer is worth one point.

- A. Use the Analyze in Excel feature.
- B. Use the Vertipaq Analyzer tool.
- C. Query the \$system.discovered_STORAGE_TABLE_COLUMN-IN_SEGMENTS dynamic management view (DMV).
- D. Query the discover_hehory6Rant dynamic management view (DMV).

Correct Answer: B, C

Section:

www.VCEplus.io

QUESTION 15

You have a Fabric tenant that contains a warehouse.

Several times a day, the performance of all warehouse queries degrades. You suspect that Fabric is throttling the compute used by the warehouse.

What should you use to identify whether throttling is occurring?

- A. the Capacity settings
- B. the Monitoring hub
- C. dynamic management views (DMVs)
- D. the Microsoft Fabric Capacity Metrics app

Correct Answer: B

Section:

QUESTION 16

HOTSPOT

You have a Fabric workspace that uses the default Spark starter pool and runtime version 1,2.

You plan to read a CSV file named Sales.raw.csv in a lakehouse, select columns, and save the data as a Delta table to the managed area of the lakehouse. Sales_raw.csv contains 12 columns.

You have the following code.

```

from pyspark.sql.functions import year

(spark
 .read
 .format("csv")
 .option("header", 'true')
 .load("Files/sales_raw.csv")
 .select('SalesOrderNumber', 'OrderDate', 'CustomerName', 'UnitPrice')
 .withColumn("Year", year("OrderDate"))
 .write
 .partitionBy('Year')
 .saveAsTable("sales")
)

```

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 |
|--|-----------------------|-----------------------|
| The Spark engine will read only the 'SalesOrderNumber', 'OrderDate', 'CustomerName', 'UnitPrice' columns from Sales_raw.csv. | <input type="radio"/> | <input type="radio"/> |
| Removing the partition will reduce the execution time of the query. | <input type="radio"/> | <input type="radio"/> |
| Adding inferSchema='true' to the options will increase the execution time of the query. | <input type="radio"/> | <input type="radio"/> |

www.VCEplus.io

Answer Area:

Answer Area

| Statements | Yes | No |
|--|----------------------------------|----------------------------------|
| The Spark engine will read only the 'SalesOrderNumber', 'OrderDate', 'CustomerName', 'UnitPrice' columns from Sales_raw.csv. | <input checked="" type="radio"/> | <input type="radio"/> |
| Removing the partition will reduce the execution time of the query. | <input type="radio"/> | <input checked="" type="radio"/> |
| Adding inferSchema='true' to the options will increase the execution time of the query. | <input checked="" type="radio"/> | <input type="radio"/> |

Section:

Explanation:

QUESTION 17

You have a Fabric tenant that contains a warehouse.

A user discovers that a report that usually takes two minutes to render has been running for 45 minutes and has still not rendered.

You need to identify what is preventing the report query from completing.

Which dynamic management view (DMV) should you use?

- A. sys.dm-exec_requests
- B. sys.dm_exec_sessions
- C. sys.dm_exec_connections
- D. sys.dm_pdw_exec_requests

Correct Answer: A

Section:

QUESTION 18

DRAG DROP

You are creating a dataflow in Fabric to ingest data from an Azure SQL database by using a T-SQL statement.

You need to ensure that any foldable Power Query transformation steps are processed by the Microsoft SQL Server engine.

How should you complete the code? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Values

- EnableFolding
- NativeQuery
- Optimize
- Record
- StopFolding
- Table
- Value

Answer Area

```

let
    Source = Sql.Databases(
        "server.database.windows.net"
    ),
    Database = Source{[Name = "db"]}[Data],
    Query = [ ] . [ ] (
        Database,
        " SELECT * FROM customer WHERE country IN ('USA', 'UK')",
        null,
        [ [ ] = true]
    )
in
    Query
    
```

Correct Answer:

Values

Optimize

Record

StopFolding

Table

Answer Area

```
let
    Source = Sql.Databases(
        "server.database.windows.net"
    ),
    Database = Source[[Name = "db"]][Data],
    Query = Value . NativeQuery (
        Database,
        " SELECT * FROM customer WHERE country IN ('USA', 'UK')",
        null,
        [ EnableFolding = true ]
    )
in
    Query
```

Section:

Explanation:

QUESTION 19

DRAG DROP

You have a Fabric tenant that contains a lakehouse named Lakehouse1

Readings from 100 IoT devices are appended to a Delta table in Lakehouse1. Each set of readings is approximately 25 KB. Approximately 10 GB of data is received daily.

All the table and SparkSession settings are set to the default.

You discover that queries are slow to execute. In addition, the lakehouse storage contains data and log files that are no longer used.

You need to remove the files that are no longer used and combine small files into larger files with a target size of 1 GB per file.

What should you do? To answer, drag the appropriate actions to the correct requirements. Each action may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Actions

Set the autoCompact table setting.

Set the optimizeWrite table setting.

Run the VACUUM command on a schedule.

Set the autoCompact SparkSession setting.

Run the OPTIMIZE command on a schedule.

Set the parallelDelete SparkSession setting.

Answer Area

Remove the files:

Combine the files:

Correct Answer:

Actions

| |
|--|
| Set the autoCompact table setting. |
| Set the optimizeWrite table setting. |
| |
| Set the autoCompact SparkSession setting. |
| |
| Set the parallelDelete SparkSession setting. |

Answer Area

| | |
|--------------------|---|
| Remove the files: | Run the VACUUM command on a schedule. |
| Combine the files: | Run the OPTIMIZE command on a schedule. |

Section:**Explanation:****QUESTION 20**

You need to create a data loading pattern for a Type 1 slowly changing dimension (SCD).

Which two actions should you include in the process? Each correct answer presents part of the solution.

NOTE: Each correct answer is worth one point.

- A. Update rows when the non-key attributes have changed.
- B. Insert new rows when the natural key exists in the dimension table, and the non-key attribute values have changed.
- C. Update the effective end date of rows when the non-key attribute values have changed.
- D. Insert new records when the natural key is a new value in the table.

Correct Answer: A, D

Section:**QUESTION 21****HOTSPOT**

You have a Fabric workspace named Workspace1 and an Azure Data Lake Storage Gen2 account named storage!. Workspace1 contains a lakehouse named Lakehouse1.

You need to create a shortcut to storage! in Lakehouse1.

Which connection and endpoint should you specify? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Connection: ▾
 abfs
 abfss
 https

Endpoint: ▾
 blob
 dfs
 file

Answer Area:

Answer Area

Connection: ▾
 abfs
 abfss
 https

Endpoint: ▾
 blob
 dfs
 file

www.VCEplus.io

Section:

Explanation:

QUESTION 22

You are analyzing customer purchases in a Fabric notebook by using PySpark. You have the following DataFrames:

- transactions: Contains five columns named transaction_id, customer_id, product_id, amount, and date and has 10 million rows, with each row representing a transaction
- customers: Contains customer details in 1,000 rows and three columns named customer_id, name, and country

You need to join the DataFrames on the customer_id column. The solution must minimize data shuffling. You write the following code.

```
from pyspark.sql import functions as F
```

```
results =
```

Which code should you run to populate the results DataFrame?

A)

```
transactions.join(F.broadcast(customers), transactions.customer_id == customers.customer_id)
```

B)

```
transactions.join(customers, transactions.customer_id == customers.customer_id).distinct()
```

C)

```
transactions.join(customers, transactions.customer_id == customers.customer_id)
```

D)

```
transactions.crossJoin(customers).where(transactions.customer_id == customers.customer_id)
```


- A. Option A
- B. Option B
- C. Option C
- D. Option D

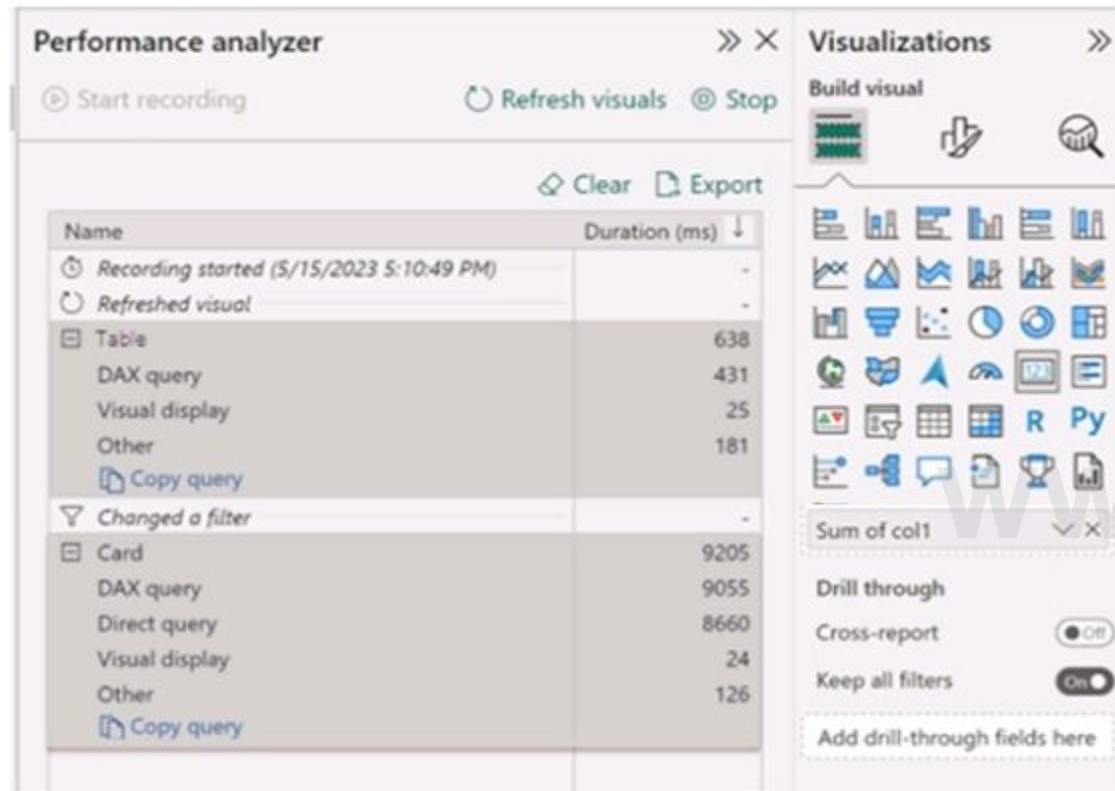
Correct Answer: A

Section:

QUESTION 23

HOTSPOT

You have a Microsoft Power BI report and a semantic model that uses Direct Lake mode. From Power BI Desktop, you open Performance analyzer as shown in the following exhibit.



The screenshot shows the Performance Analyzer tool in Power BI Desktop. The main window is titled "Performance analyzer" and has a "Start recording" button. Below it are "Refresh visuals" and "Stop" buttons. There are also "Clear" and "Export" buttons. The main area is a table with two columns: "Name" and "Duration (ms)".

| Name | Duration (ms) |
|--|---------------|
| Recording started (5/15/2023 5:10:49 PM) | - |
| Refreshed visual | - |
| Table | 638 |
| DAX query | 431 |
| Visual display | 25 |
| Other | 181 |
| Copy query | |
| Changed a filter | - |
| Card | 9205 |
| DAX query | 9055 |
| Direct query | 8660 |
| Visual display | 24 |
| Other | 126 |
| Copy query | |

On the right side, there is a "Visualizations" pane. It has a "Build visual" button and a grid of visualization icons. Below the icons, there is a dropdown menu showing "Sum of col1". There are also "Drill through" and "Cross-report" sections with toggle switches. The "Cross-report" toggle is currently turned off. There is also a "Keep all filters" toggle which is turned on. At the bottom of the pane, there is a field labeled "Add drill-through fields here".

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

Connection: ▼
 abfs
 abfss
 https

Endpoint: ▼
 blob
 dfs
 file

Answer Area:

Answer Area

Connection: ▼
 abfs
 abfss
 https

Endpoint: ▼
 blob
 dfs
 file

www.VCEplus.io

Section:

Explanation:

QUESTION 24

You have a Fabric tenant that contains a lakehouse named lakehouse1. Lakehouse1 contains an unpartitioned table named Table1.

You plan to copy data to Table1 and partition the table based on a date column in the source data.

You create a Copy activity to copy the data to Table1.

You need to specify the partition column in the Destination settings of the Copy activity.

What should you do first?

- A. From the Destination tab, set Mode to Append.
- B. From the Destination tab, select the partition column,
- C. From the Source tab, select Enable partition discovery
- D. From the Destination tab, set Mode to Overwrite.

Correct Answer: B

Section:

QUESTION 25

HOTSPOT

You have a Fabric tenant that contains a warehouse named Warehouse1. Warehouse1 contains a fact table named FactSales that has one billion rows. You run the following T-SQL statement.

CREATE TABLE test.FactSales AS CLONE OF Dbo.FactSales;

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 |
|--|-----------------------|-----------------------|
| A replica of <code>dbo.Sales</code> is created in the test schema by copying the metadata only. | <input type="radio"/> | <input type="radio"/> |
| Additional schema changes to <code>dbo.FactSales</code> will also apply to <code>test.FactSales</code> . | <input type="radio"/> | <input type="radio"/> |
| Additional data changes to <code>dbo.FactSales</code> will also apply to <code>test.FactSales</code> . | <input type="radio"/> | <input type="radio"/> |

Answer Area:

Answer Area

| Statements | Yes | No |
|--|----------------------------------|----------------------------------|
| A replica of <code>dbo.Sales</code> is created in the test schema by copying the metadata only. | <input checked="" type="radio"/> | <input type="radio"/> |
| Additional schema changes to <code>dbo.FactSales</code> will also apply to <code>test.FactSales</code> . | <input type="radio"/> | <input checked="" type="radio"/> |
| Additional data changes to <code>dbo.FactSales</code> will also apply to <code>test.FactSales</code> . | <input type="radio"/> | <input checked="" type="radio"/> |

Section:

Explanation:

www.VCEplus.io

QUESTION 26

You have source data in a folder on a local computer.

You need to create a solution that will use Fabric to populate a data store. The solution must meet the following requirements:

- * Support the use of dataflows to load and append data to the data store.
- * Ensure that Delta tables are V-Order optimized and compacted automatically.

Which type of data store should you use?

- A. a lakehouse
- B. an Azure SQL database
- C. a warehouse
- D. a KQL database

Correct Answer: A

Section:

QUESTION 27

HOTSPOT

You have a Fabric tenant that contains a lakehouse.

You are using a Fabric notebook to save a large DataFrame by using the following code.

```
df.write.partitionBy("year","month","day").mode("overwrite").parquet("Files/SalesOrder")
```

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 |
|--|-----------------------|-----------------------|
| The results will form a hierarchy of folders for each partition key. | <input type="radio"/> | <input type="radio"/> |
| The resulting file partitions can be read in parallel across multiple nodes. | <input type="radio"/> | <input type="radio"/> |
| The resulting file partitions will use file compression. | <input type="radio"/> | <input type="radio"/> |

Answer Area:
Answer Area

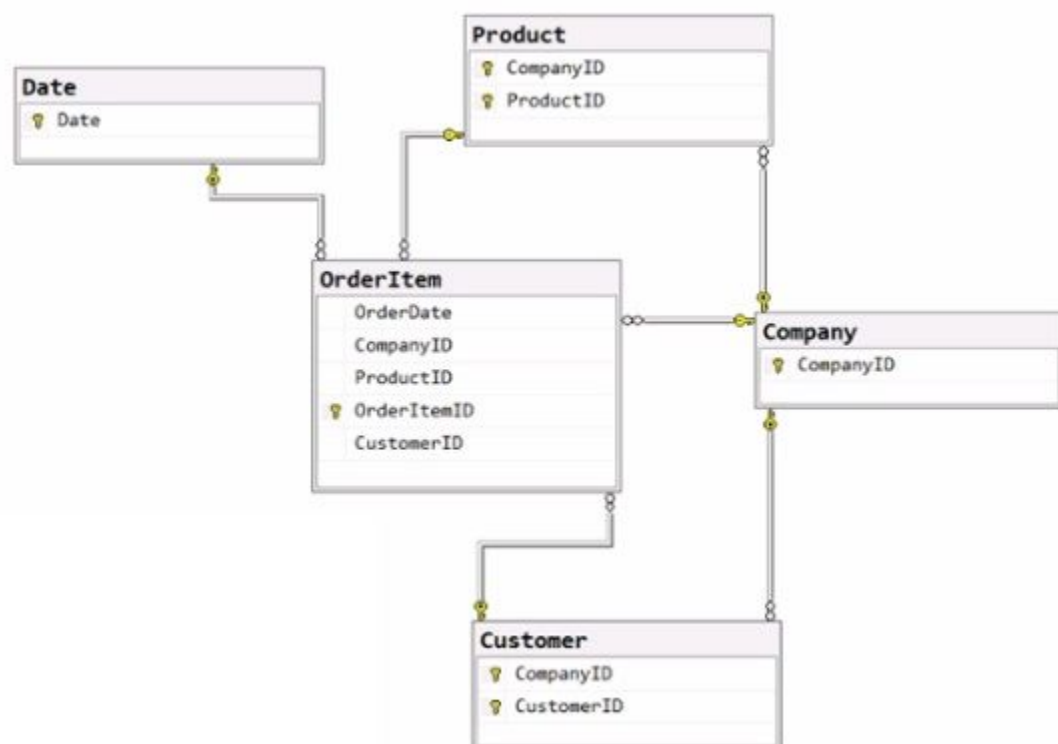
| Statements | Yes | No |
|--|----------------------------------|-----------------------|
| The results will form a hierarchy of folders for each partition key. | <input checked="" type="radio"/> | <input type="radio"/> |
| The resulting file partitions can be read in parallel across multiple nodes. | <input checked="" type="radio"/> | <input type="radio"/> |
| The resulting file partitions will use file compression. | <input checked="" type="radio"/> | <input type="radio"/> |

Section:
Explanation:

www.VCEplus.io

QUESTION 28
HOTSPOT

You have the source data model shown in the following exhibit.



The primary keys of the tables are indicated by a key symbol beside the columns involved in each key.

You need to create a dimensional data model that will enable the analysis of order items by date, product, and customer. What should you include in the solution? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

The relationship between OrderItem and Product must be based on:

- Both the CompanyID and the ProductID columns
- The ProductID column
- Both the CompanyID and the ProductID columns**
- A new key that combines the CompanyID and ProductID columns

The Company entity must be:

- Denormalized into the Customer and Product entities
- Omitted
- Denormalized into the Product entity only
- Denormalized into the Customer and Product entities**

Answer Area:

Answer Area

The relationship between OrderItem and Product must be based on:

- Both the CompanyID and the ProductID columns
- The ProductID column
- Both the CompanyID and the ProductID columns**
- A new key that combines the CompanyID and ProductID columns

The Company entity must be:

- Denormalized into the Customer and Product entities
- Omitted
- Denormalized into the Product entity only
- Denormalized into the Customer and Product entities**

Section:

Explanation:

QUESTION 29

You have a Fabric tenant that contains a semantic model named Model1. Model1 uses Import mode. Model1 contains a table named Orders. Orders has 100 million rows and the following fields.

| Name | Data type | Description |
|------------------|-----------|--|
| OrderId | Integer | Column imported from the source |
| OrderDateTime | Date/time | Column imported from the source |
| Quantity | Integer | Column imported from the source |
| Price | Decimal | Column imported from the source |
| TotalSalesAmount | Decimal | Calculated column that multiplies Quantity and Price |
| TotalQuantity | Integer | Measure |

You need to reduce the memory used by Model1 and the time it takes to refresh the model. Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct answer is worth one point.

- A. Split OrderDateTime into separate date and time columns.
- B. Replace TotalQuantity with a calculated column.
- C. Convert Quantity into the Text data type.
- D. Replace TotalSalesAmount with a measure.

Correct Answer: A, D

Section:

QUESTION 30

You have a Fabric tenant that contains a semantic model.

You need to prevent report creators from populating visuals by using implicit measures.

What are two tools that you can use to achieve the goal? Each correct answer presents a complete solution.

NOTE: Each correct answer is worth one point.

- A. Microsoft Power BI Desktop
- B. Tabular Editor
- C. Microsoft SQL Server Management Studio (SSMS)
- D. DAX Studio

Correct Answer: A, B

Section:

www.VCEplus.io