Vendor: Microsoft

Exam Code:DP-500

Exam Name: Designing and Implementing Enterprise-Scale Analytics Solutions Using Microsoft Azure and Microsoft Power BI

Version: Demo

QUESTION 1

HOTSPOT

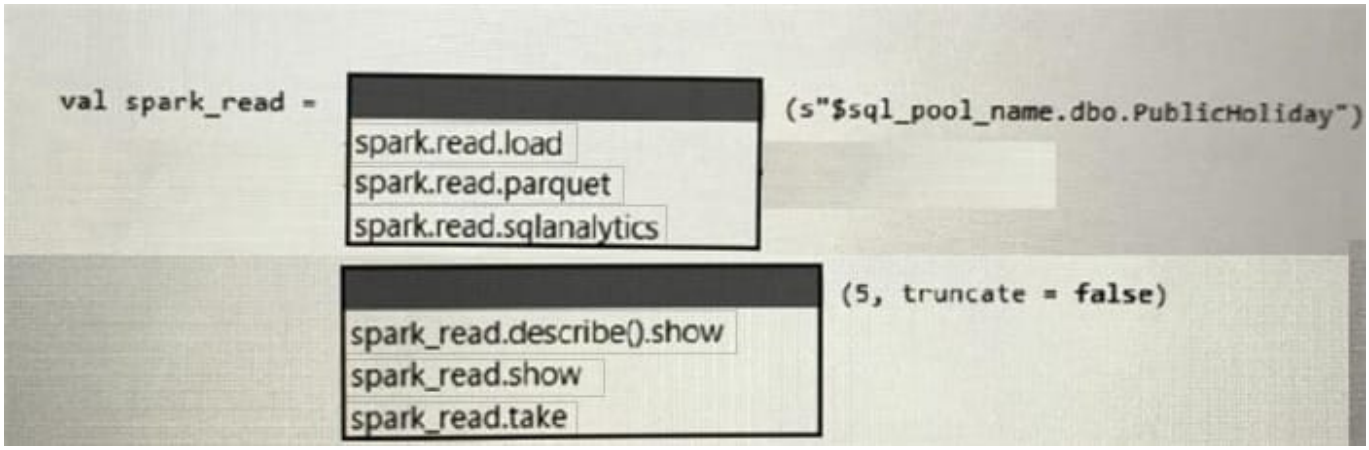
You have an Azure Synapse workspace named Workspace1.

You need to use PySpark in a notebook to read data from a SQL pool as an Apache Spark DataFrame and display the top five.

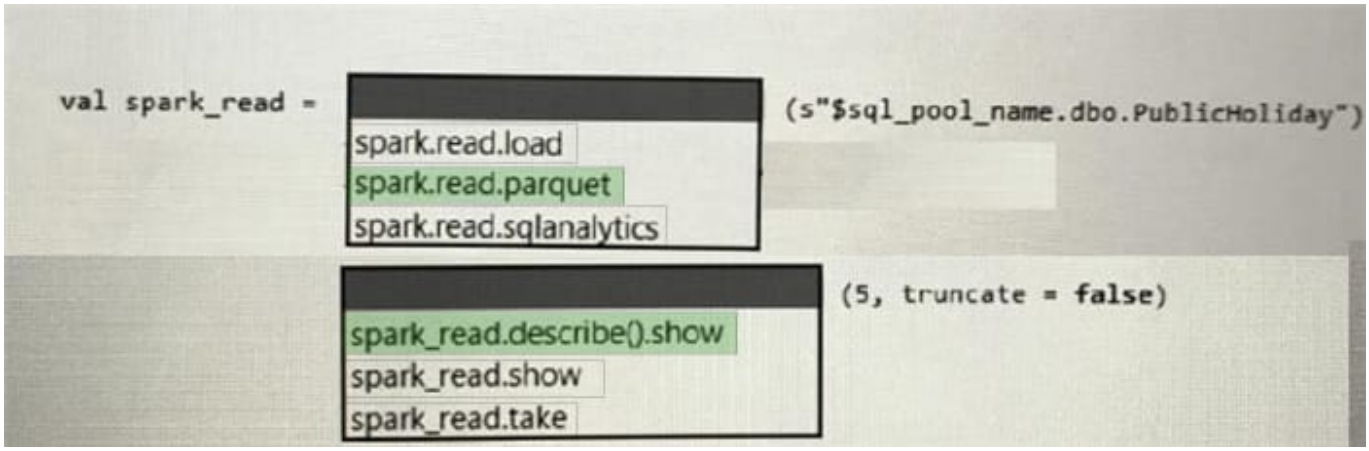
How should you complete the code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



Correct Answer:



QUESTION 2

You need to save Power Bl dataflows in an Azure Storage account.

Which two prerequisites are required to support the configuration? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. The storage account must be protected by using an Azure Firewall.

B. The connection must be created by a user that is assigned the Storage Blob Data Owner role.

C. The storage account must have hierarchical namespace enabled.

D. Dataflows must exist already for any directly connected Power Bl workspaces.

E. The storage account must be created in a separate Azure region from the Power Bl tenant and workspaces.

Correct Answer: BC

QUESTION 3

You have a kiosk that displays a Power Bl report page. The report uses a dataset that uses Import storage mode. You need to ensure that the report page updates all the visuals every 30 minutes. Which two actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. Enable Power Bl embedded.

B. Configure the data sources to use DirectQuery.

C. Configure the data sources to use a streaming dataset

D. Select Auto page refresh.

E. Enable the XMIA endpoint.

F. Add a Microsoft Power Automate visual to the report page.

Correct Answer: BD

QUESTION 4

You need to configure the Sales Analytics workspace to meet the ad hoc reporting requirements. What should you do?

A. Grant the sales managers the Build permission for the existing Power Bl datasets.

B. Grant the sales managers admin access to the existing Power Bl workspace.

C. Create a deployment pipeline and grant the sales managers access to the pipeline.

D. Create a PBIT file and distribute the file to the sales managers.

Correct Answer: A

QUESTION 5

You have two Power BI reports named Report1 and Report2.

Report1 connects to a shared dataset named Dataset1.

Report2 connects to a local dataset that has the same structure as Dataset1. Report2 contains several calculated tables and parameters.

You need to prepare Report2 to use Dataset1.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Remove the data source permissions.

B. Delete all the Power Query Editor objects.

C. Modify the source of each query.

D. Update all the parameter values.

E. Delete all the calculated tables.

Correct Answer: CD

C: Power BI Desktop also comes with Power Query Editor. Use Power Query Editor to connect to one or many data sources, shape and transform the data to meet your needs, then load that model into Power BI Desktop.

D: Common uses for parameters

Here are some of the most common ways to use parameters.

Control paginated report data

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Filter paginated report data at the data source by writing dataset queries that contain variables.

*

Etc. Reference: https://docs.microsoft.com/en-us/power-bi/transform-model/desktop-query- overview https://docs.microsoft.com/en-us/learn/modules/dax-power-bi-add-calculated-tables/1- introduction

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QUESTION 6

You are using an Azure Synapse Analytics serverless SQL pool to query a collection of Apache Parquet files by using automatic schema inference. The files contain more than 40 million rows of UTF-8-encoded business names, survey names, and participant counts. The database is configured to use the default collation.

The queries use open row set and infer the schema shown in the following table.

name	system_type_name	max_length
businessName	varchar(8000)	8000
surveyName	varchar(8000)	8000
participants	int	4

You need to recommend changes to the queries to reduce I/O reads and tempdb usage.

Solution: You recommend defining a data source and view for the Parquet files. You recommend updating the query to use the view.

Does this meet the goal?

A. Yes

B. No

Correct Answer: A

QUESTION 7

You are creating a Power BI deployment pipeline that will be used to deploy a paginated report.

You need to ensure that the paginated report is updated to point to the correct dataset for each stage.

What should you configure in the deployment pipeline?

A. a data source rule

B. a dataflow

C. a selective deployment

D. a parameter rule

Correct Answer: A

QUESTION 8

You are building a Power BI dataset that will use two data sources.

The dataset has a query that uses a web data source. The web data source uses anonymous authentication.

You need to ensure that the query can be used by all the other queries in the dataset.

Which privacy level should you select for the data source?

A. Public

B. Organizational

C. Private

D. None

Correct Answer: A

QUESTION 9

You are using an Azure Synapse Analytics serverless SQL pool to query a collection of Apache Parquet files by using automatic schema inference. The files contain more than 40 million rows of UTF-8-encoded business names, survey names, and participant counts. The database is configured to use the default collation.

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surveyName	varchar(8000)	8000
participants	int	4

You need to recommend changes to the queries to reduce I/O reads and tempdb usage.

Solution: You recommend using openrowset with to explicitly specify the maximum length for businessName and surveyName.

Does this meet the goal?

A. Yes

B. No

Correct Answer: A

QUESTION 10

You have a Power BI tenant.

You plan to publish 10 paginated reports that will be used by a team of business analysts.

You need to create a new workspace for the reports. The solution must minimize costs.

Which license mode should you select for the new workspace?

A. Pro

B. Premium per user

C. Embedded

D. Premium per capacity

Correct Answer: A

QUESTION 11

You have a Power Bl workspace named Workspacel that contains five dataflows.

You need to configure Workspacel to store the dataflows in an Azure Data Lake Storage Gen2 account

What should you do first?

A. Delete the dataflow queries.

B. From the Power Bl Admin portal, enable tenant-level storage.

C. Disable load for all dataflow queries.

D. Change the Data source settings in the dataflow queries.

Correct Answer: A

QUESTION 12

From Power Query Editor, you profile the data shown in the following exhibit.

	IoT GUID	IoT DateTime	IoT ID
	Valid 100%	Valid 100%	Valid 100%
	Error 0%	Error 0%	Error 0%
	Empty 0%	Empty 0%	Empty 0%
1	48196321-38D9-EC11-BB3D-0022489A2...	21/05/2022 18:59:25	100001000
2	49196321-38D9-EC11-BB3D-0022489A2...	21/05/2022 18:59:26	100001001
3	0300C742-38D9-EC11-BB3D-0022489A2...	21/05/2022 19:00:21	100001002
4	0400C742-38D9-EC11-BB3D-0022489A2...	21/05/2022 19:00:21	100001003
5	0500C742-38D9-EC11-BB3D-0022489A2...	21/05/2022 19:00:21	100001004
6	0600C742-38D9-EC11-BB3D-0022489A2...	21/05/2022 19:00:21	100001005

The IoT GUID and IoT ID columns are unique to each row in the query.

You need to analyze IoT events by the hour and day of the year. The solution must improve dataset performance.

Solution: You split the IoT DateTime column into a column named Date and a column named Time.

Does this meet the goal?

A. Yes

B. No

Correct Answer: A