Implementing Analytics Solutions Using Microsoft Fabric (beta)

1. You need to ensure that Contoso can use version control to meet the data analytics requirements and the general requirements.

What should you do?

A. Store at the semantic models and reports in Data Lake Gen2 storage.
B. Modify the settings of the Research workspaces to use a GitHub repository.
C. Modify the settings of the Research division workspaces to use an Azure Repos repository.

D. Store all the semantic models and reports in Microsoft OneDrive.

Answer(s): C

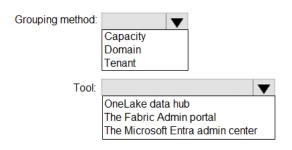
2. HOTSPOT (Drag and Drop is not supported)

You need to recommend a solution to group the Research division workspaces.

What should you include in the recommendation? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area



A. See Explanation section for answer.

Answer(s): A

3. You need to refresh the Orders table of the Online Sales department. The solution must meet the semantic model requirements.

What should you include in the solution?

A. an Azure Data Factory pipeline that executes a Stored procedure activity to retrieve the maximum value of the OrderID column in the destination lakehouse

B. an Azure Data Factory pipeline that executes a Stored procedure activity to retrieve the minimum value of the OrderID column in the destination lakehouse

C. an Azure Data Factory pipeline that executes a dataflow to retrieve the minimum value of the OrderID column in the destination lakehouse

D. an Azure Data Factory pipeline that executes a dataflow to retrieve the maximum value of the OrderID column in the destination lakehouse

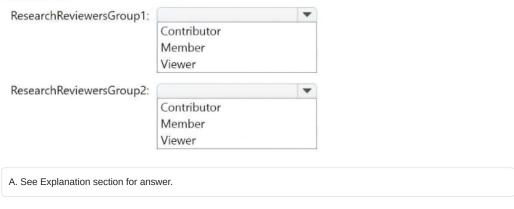
Answer(s): D

A. spark.read.format("delta").load("Tables/productling").	ne1/ResearchP	,				
B. spark.sql("SELECT * FROM Lakehouse1.Resea	archProduct ")					
C. external_table('Tables/ResearchProduct)						
D. external_table(ResearchProduct)						
Answer(s): B						
5. You need to recommend which type of Fabric Research division. What should you recommend?	c capacity SKL	J meets	s the data analy	rtics requirements for	r the	
A. A						
B. EM						
C. P						
D. F						
Anewor(e): D						
Answer(s): D 6. HOTSPOT (Drag and Drop is not supported) You need to migrate the Research division data oreparation requirements.	for Productlin					
6. HOTSPOT (Drag and Drop is not supported) You need to migrate the Research division data	for Productling, select the ap					
. HOTSPOT (Drag and Drop is not supported) You need to migrate the Research division data reparation requirements. How should you complete the code? To answer HOTE: Each correct selection is worth one poin	for Productling, select the application.	propria	te options in th	e answer area.	orage1.dfs.co	ore.win
6. HOTSPOT (Drag and Drop is not supported) You need to migrate the Research division data or paration requirements. How should you complete the code? To answer NOTE: Each correct selection is worth one poin	for Productling, select the apolit.	propria	te options in th	e answer area. ue").load("fs1@st	orage1.dfs.co	
6. HOTSPOT (Drag and Drop is not supported) You need to migrate the Research division data preparation requirements. How should you complete the code? To answer NOTE: Each correct selection is worth one poin Answer Area df=spark.read.format('csv').options(h	r, select the aport. neader="true" csv delta	propria	ate options in th	e answer area.	ine1	
6. HOTSPOT (Drag and Drop is not supported) You need to migrate the Research division data preparation requirements. How should you complete the code? To answer NOTE: Each correct selection is worth one poin Answer Area df=spark.read.format('csv').options(h	r, select the aport. meader="true"	propria	ate options in th	e answer area. ue").load("fs1@st productline1 Tables/productl	ine1	
6. HOTSPOT (Drag and Drop is not supported) You need to migrate the Research division data preparation requirements. How should you complete the code? To answer NOTE: Each correct selection is worth one poin Answer Area df=spark.read.format('csv').options(h	r, select the aport. neader="true" csv delta	propria	ate options in th	e answer area. ue").load("fs1@st productline1 Tables/productl	ine1	
is. HOTSPOT (Drag and Drop is not supported) You need to migrate the Research division data preparation requirements. How should you complete the code? To answer NOTE: Each correct selection is worth one poin Answer Area df=spark.read.format('csv').options(h df.write.mode("overwrite").format("	r, select the aport. neader="true" csv delta	propria	ate options in th	e answer area. ue").load("fs1@st productline1 Tables/productl	ine1	
6. HOTSPOT (Drag and Drop is not supported) You need to migrate the Research division data or paration requirements. How should you complete the code? To answer NOTE: Each correct selection is worth one poin Answer Area df=spark.read.format('csv').options(hdf.write.mode("overwrite").format(" A. See Explanation section for answer.	r, select the aport. neader="true" csv delta parquet	propria	erSchema="tru	e answer area. ue").load("fs1@st productline1 Tables/productl Tables/research	ine1	
Answer(s): A S. HOTSPOT (Drag and Drop is not supported) You need to migrate the Research division data or paration requirements. How should you complete the code? To answer NOTE: Each correct selection is worth one point Answer Area df=spark.read.format('csv').options(hot df.write.mode("overwrite").format("	r, select the aport. neader="true" csv delta parquet	propria	erSchema="tru	e answer area. ue").load("fs1@st productline1 Tables/productl Tables/research	ine1	
Answer(s): A What should you use to implement calculation. What should you use to implement calculation.	r, select the aport. neader="true" csv delta parquet	propria	erSchema="tru	e answer area. ue").load("fs1@st productline1 Tables/productl Tables/research	ine1	
is. HOTSPOT (Drag and Drop is not supported) You need to migrate the Research division data preparation requirements. How should you complete the code? To answer NOTE: Each correct selection is worth one poin Answer Area df=spark.read.format('csv').options(h df.write.mode("overwrite").format(" A. See Explanation section for answer. Answer(s): A Y. What should you use to implement calculation A. Microsoft Power BI Desktop	r, select the aport. neader="true" csv delta parquet	propria	erSchema="tru	e answer area. ue").load("fs1@st productline1 Tables/productl Tables/research	ine1	
6. HOTSPOT (Drag and Drop is not supported) You need to migrate the Research division data preparation requirements. How should you complete the code? To answer NOTE: Each correct selection is worth one poin Answer Area df=spark.read.format('csv').options(h df.write.mode("overwrite").format(" A. See Explanation section for answer. Answer(s): A Y. What should you use to implement calculation A. Microsoft Power BI Desktop B. the Power BI service	r, select the aport. neader="true" csv delta parquet	propria	erSchema="tru	e answer area. ue").load("fs1@st productline1 Tables/productl Tables/research	ine1	ore.win

8. HOTSPOT (Drag and Drop is not supported)

Which workspace role assignments should you recommend for ResearchReviewersGroup1 and ResearchReviewersGroup2? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area



Answer(s): A

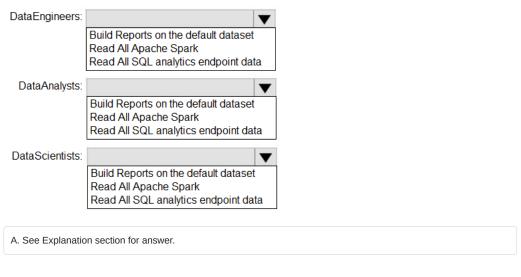
9. HOTSPOT (Drag and Drop is not supported)

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.

Answer Area



Answer(s): A

10. HOTSPOT (Drag and Drop is not supported)

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 (
                                        •
     AVERAGE('Survey'[Response Value]),
     AVERAGEA('Question'[Question Text]),
     AVERAGEX(VALUES('Survey'[Customer Key]),
     LastCurrentDate,
     NumberOfMonths,
     Period,
      'Survey Question' [Question Title] = "Overall Satisfaction"
     RETURN
       Result
A. See Explanation section for answer.
```

Answer(s): A

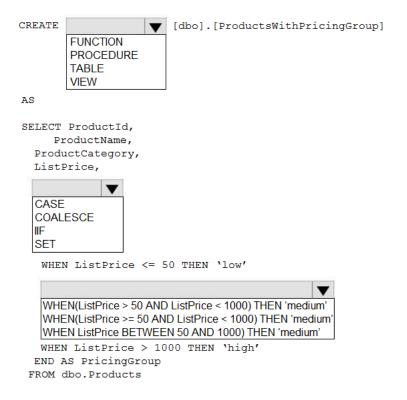
11. HOTSPOT (Drag and Drop is not supported)

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.

Answer Area



A. See Explanation section for answer.

Answer(s): A

workspace?
A. a stored procedure
B. a pipeline that contains a KQL activity
C. a Spark notebook
D. a dataflow
Answer(s): D
13. 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
Answer(s): C
14. You need to recommend a solution to prepare the tenant for the PoC. Which two actions should you recommend performing from the Fabric Admin portal? Each correct answer presents part of the solution. NOTE: Each correct answer is worth one point.
A. Enable the Users can try Microsoft Fabric paid features option for the entire organization.
A. Litable the Osers can by Microsoft Pablic paid leatures option for the entire organization.
☐ B. Enable the Users can try Microsoft Fabric paid features option for specific security groups.
C. Enable the Allow Azure Active Directory guest users to access Microsoft Fabric option for specific security groups.
☐ D. Enable the Users can create Fabric items option and exclude specific security groups.
☐ E. Enable the Users can create Fabric items option for specific security groups.
Answer(s): B E

12. What should you recommend using to ingest the customer data into the data store in the AnalyticsPOC

You need to design a semantic model for the customer satisfaction report.

Which data source authentication method and mode should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area			
Authentication method:		-	
	Basic authentication		
	Service principal authentication		
	Single sign-on (SSO) authentication		
Mode:		~	
	Direct Lake		
	DirectQuery		
	Import		
A. See Explanation section for	answer.		
Answer(s): A			
requirements.	e date dimension in the data store. The set the goal? Each correct answer presents in is worth one point.		echnical
☐ A. Populate the date dime	nsion table by using a dataflow.		
☐ B. Populate the date dime	nsion table by using a Copy activity in a pipeli	ne.	
C. Populate the date dime	ension view by using T-SQL.		
☐ D. Populate the date dime	ension table by using a Stored procedure activ	ity in a pipeline.	
Answer(s): C D			
	ata loading activities in the AnalyticsPOC olution must meet the technical requireme		ed in the
A. Create a dataflow that has r	nultiple steps and schedule the dataflow.		
B. Create and schedule a Spar	k notebook.		
C. Create and schedule a Spar	k job definition.		
D. Create a pipeline that has d	ependencies between activities and schedule	the pipeline.	

Answer(s): D

18. 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 $\label{productName} \mbox{ ProductName and has a summarized Amount that is higher than 10,000.}$ Which query should you use?

A.	
B.	
C.	
D.	

Answer(s): A

19. HOTSPOT (Drag and Drop is not supported)

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.

Answer Area

```
WITH CUSTOMERBASE AS (
     SELECT [CustomerID]
     ,[CustomerName]
     , [PostalCode]
     , [LastUpdated]
     , x =
                              OVER (PARTITION BY CustomerID
                              ORDER BY LastUpdated DESC)
           LAST_Value()
           NTILE()
           ROW_NUMBER()
     FROM [LakehousePOC].[dbo].[CustomerChanges]
          SELECT CustomerID, CustomerName, PostalCode, LastUpdated
          FROM CUSTOMERBASE
                                         V
          Having Max(LastUpdated) = 1
          WHERE LastUpdated = Max(LastUpdated)
          WHERE X = 1
```

A. See Explanation section for answer.

Answer(s): A

20. HOTSPOT (Drag and Drop is not supported)

You have a Fabric tenant.

You plan to create a Fabric notebook that will use Spark DataFrames to generate Microsoft Power BI visuals. You run the following code.

```
from powerbiclient import QuickVisualize, get_dataset_config, Report
PBI_visualize = QuickVisualize(get_dataset_config(df))
```

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

NOTE: Each correct selection is worth one point.

Answer Area

PBI visualize

Statements	Yes	No
The code embeds an existing Power BI report.	0	0
The code creates a Power BI report.	0	0
The code displays a summary of the DateFrame.	0	0

A. See Explanation section for answer.

Answer(s): A