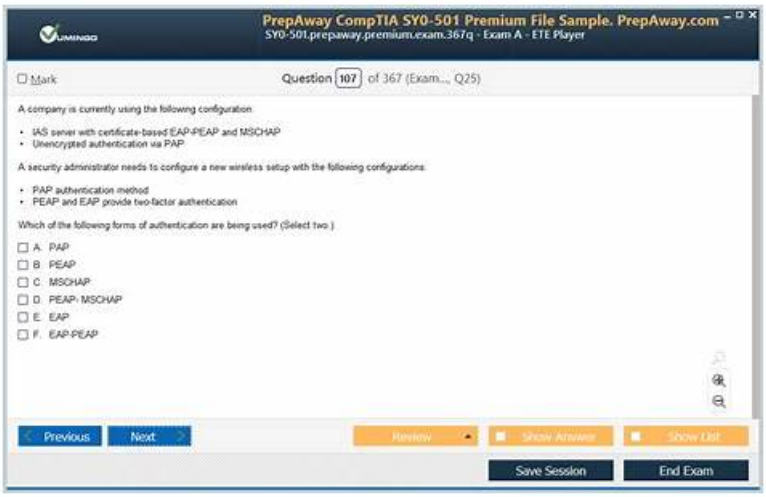
DP-600 Visual Cert Exam - DP-600 Actual Questions



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Microsoft DP-600 Exam Syllabus Topics:

Topic	Details
Topic 1	• Maintain a data analytics solution: This section of the exam measures the skills of administrators and covers tasks related to enforcing security and managing the Power BI environment. It involves setting up access controls at both workspace and item levels, ensuring appropriate permissions for users and groups. Row-level, column-level, object-level, and file-level access controls are also included, alongside the application of sensitivity labels to classify data securely. This section also tests the ability to endorse Power BI items for organizational use and oversee the complete development lifecycle of analytics assets by configuring version control, managing Power BI Desktop projects, setting up deployment pipelines, assessing downstream impacts from various data assets, and handling semantic model deployments using XMLA endpoint. Reusable asset management is also a part of this domain.
Topic 2	• Implement and manage semantic models: This section of the exam measures the skills of architects and focuses on designing and optimizing semantic models to support enterprise-scale analytics. It evaluates understanding of storage modes and implementing star schemas and complex relationships, such as bridge tables and many-to-many joins. Architects must write DAX-based calculations using variables, iterators, and filtering techniques. The use of calculation groups, dynamic format strings, and field parameters is included. The section also includes configuring large semantic models and designing composite models. For optimization, candidates are expected to improve report visual and DAX performance, configure Direct Lake behaviors, and implement incremental refresh strategies effectively.

Topic 3	• Prepare data: This section of the exam measures the skills of engineers and covers essential data preparation tasks. It includes establishing data connections and discovering sources through tools like the OneLake data hub and the real-time hub. Candidates must demonstrate knowledge of selecting the appropriate storage type—lakehouse, warehouse, or eventhouse—depending on the use case. It also includes implementing OneLake integrations with Eventhouse and semantic models. The transformation part involves creating views, stored procedures, and functions, as well as enriching, merging, denormalizing, and aggregating data. Engineers are also expected to handle data quality issues like duplicates, missing values, and nulls, along with converting data types and filtering. Furthermore, querying and analyzing data using tools like SQL, KQL, and the Visual Query Editor is tested in this domain.

Latest Released DP-600 Visual Cert Exam - Microsoft DP-600 Actual Questions: Implementing Analytics Solutions Using Microsoft Fabric

You may know that we are so popular for the passing rate of our DP-600 guide quiz is very high. Generally speaking, 98 % - 99 % of the users can successfully pass the DP-600 exam, obtaining the corresponding certificate. In addition, the content of our DP-600 Exam Materials is easy to learn and suitable for the public. No matter what your previous learning level is, there will be no problem of understanding.

Microsoft Implementing Analytics Solutions Using Microsoft Fabric Sample Questions (Q126-Q131):

NEW QUESTION # 126
You have a Microsoft Power Bl report named Report1 that uses a Fabric semantic model.
Users discover that Report1 renders slowly.
You open Performance analyzer and identify that a visual named Orders By Date is the slowest to render. The duration breakdown for Orders By Date is shown in the following table.

Name	Duration (ms)
DAX query	27
Visual display	39
Other	1047

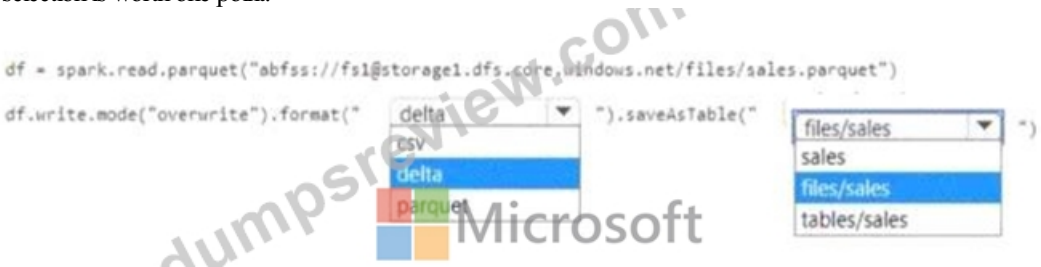
What will provide the greatest reduction in the rendering duration of Report1?

- A. Enable automatic page refresh.
- B. Optimize the DAX query of Orders By Date by using DAX Studio.
- C. Change the visual type of Orders By Dale.
- D. Reduce the number of visuals in Report1.

Answer: D

Explanation:
Based on the duration breakdown provided, the major contributor to the rendering duration is categorized as "Other," which is significantly higher than DAX Query and Visual display times. This suggests that the issue is less likely with the DAX calculation or visual rendering times and more likely related to model performance or the complexity of the visual. However, of the options provided, optimizing the DAX query can be a crucial step, even if "Other" factors are dominant. Using DAX Studio, you can analyze and optimize the DAX queries that power your visuals for performance improvements. Here's how you might proceed:
* Open DAX Studio and connect it to your Power BI report.
* Capture the DAX query generated by the Orders By Date visual.
* Use the Performance Analyzer feature within DAX Studio to analyze the query.
* Look for inefficiencies or long-running operations.
* Optimize the DAX query by simplifying measures, removing unnecessary calculations, or improving iterator functions.
* Test the optimized query to ensure it reduces the overall duration.
References: The use of DAX Studio for query optimization is a common best practice for improving Power BI report performance as outlined in the Power BI documentation.

NEW QUESTION # 127
You have an Azure Data Lake Storage Gen2 account named storage! that contains a Parquet file named sales.
parquet.
You have a Fabric tenant that contains a workspace named Workspace1.
Using a notebook in Workspace1, you need to load the content of the file to the default lakehouse. The solution must ensure that the content will display automatically as a table named Sales in Lakehouse explorer.
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

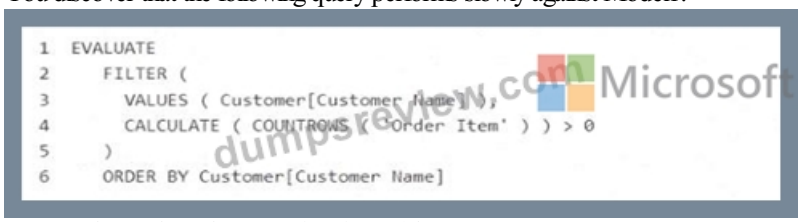


Answer:

Explanation:
Answer Area

Explanation:
Answer Area

NEW QUESTION # 128
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.
You have a Fabric tenant that contains a semantic model named Model1.
You discover that the following query performs slowly against Model1.



```
1  EVALUATE
2     FILTER (
3        VALUES ( Customer[Customer Name] ),
4        CALCULATE ( COUNTROWS ( 'Order Item' ) ) > 0
5     )
6     ORDER BY Customer[Customer Name]
```

You need to reduce the execution time of the query.
Solution: You replace line 4 by using the following code:

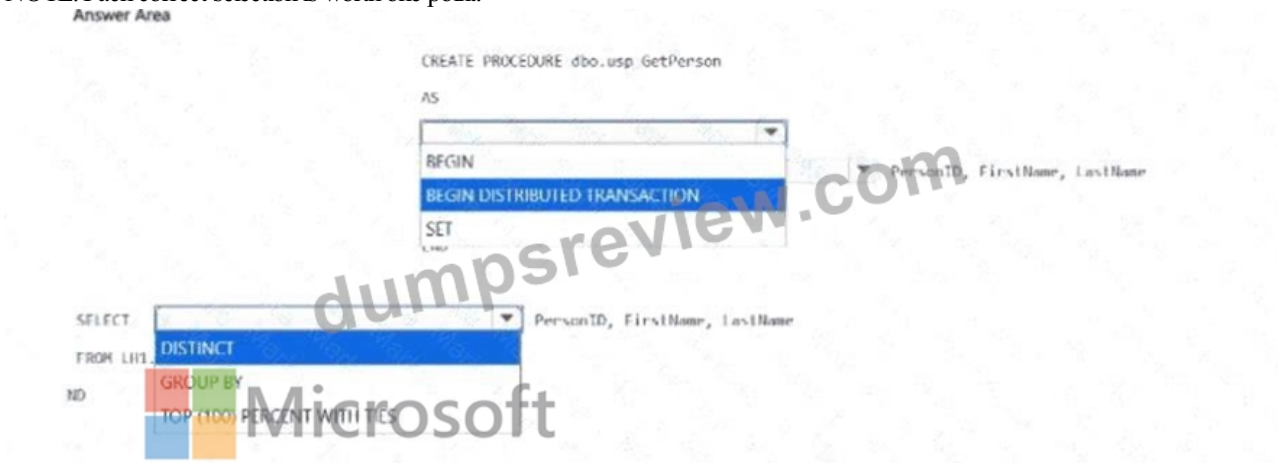
```
ISEMPTY ( RELATEDTABLE ( 'Order Item' ) )
```

Does this meet the goal?

- A. No
- B. Yes

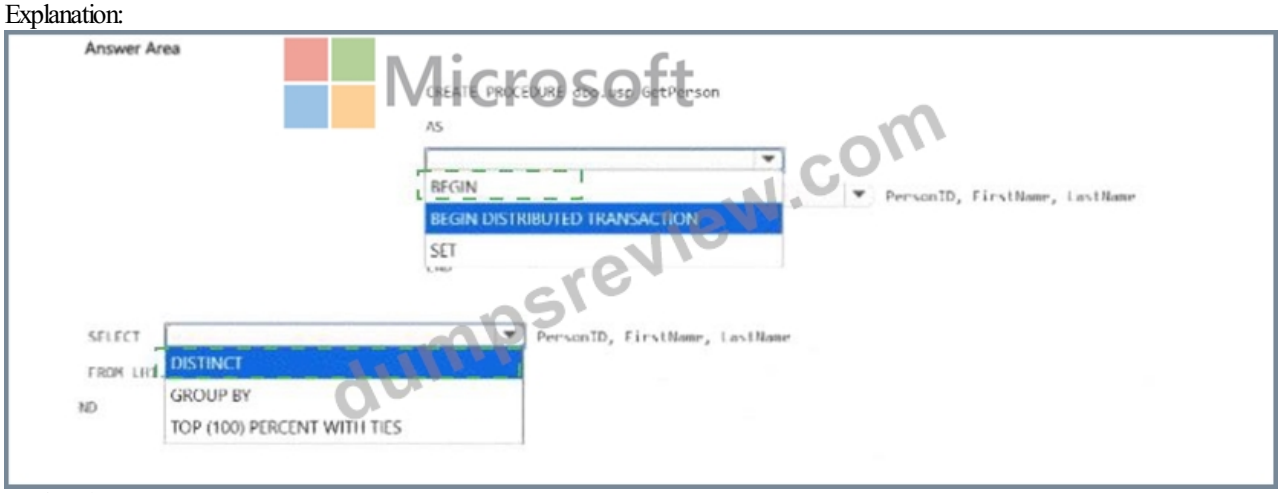
Answer: A

NEW QUESTION # 129
You have a Fabric tenant that contains a workspace named Workspace1. Workspace1 contains a lakehouse named I.H1 and a warehouse named DW1. I.H1 contains a table named signindata that is in the dho schema.
You need to create a stored procedure in DW1 that deduplicates the data in the signindata table.
How should you complete the T-SQL statement? To answer, select the appropriate options in the answer area.
NOTE: Fach correct selection is worth one point.



Answer:

Explanation:



Explanation:

Scenario Recap
Fabric tenant # Workspace1
Contains:
Lakehouse LH1 (with table signindata in schema dho)
Warehouse DW1
Task: Create a stored procedure in DW1 that deduplicates rows in signindata.
Step 1: Stored procedure structure
In T-SQL, stored procedures begin with:
AS
BEGIN
-- logic
END

So the correct option for the first blank is BEGIN.
BEGIN DISTRIBUTED TRANSACTION is not needed because we are not spanning multiple servers or needing distributed transactions.
SET is not the right way to start the logic block.
Step 2: Deduplication logic
To remove duplicates from signindata, the query should return unique rows.
The simplest way is:
SELECT DISTINCT PersonID, FirstName, LastName
FROM dho.signindata;
Thus the correct choice for the second blank is DISTINCT.
GROUP BY could also deduplicate but is less efficient here since no aggregation is requested.
TOP 100 PERCENT WITH TIES is irrelevant.
Step 3: Final T-SQL stored procedure
CREATE PROCEDURE dbo.usp_GetPerson
AS
BEGIN
SELECT DISTINCT PersonID, FirstName, LastName
FROM dho.signindata;
END;
Why this is correct
BEGIN # correct stored procedure structure.
DISTINCT # ensures deduplication of rows from signindata.
References
CREATE PROCEDURE (Transact-SQL)
DISTINCT (Transact-SQL)

NEW QUESTION # 130
You have a Fabric tenant that contains a new semantic model in OneLake.
You use a Fabric notebook to read the data into a Spark DataFrame.
You need to evaluate the data to calculate the min, max, mean, and standard deviation values for all the string and numeric columns.
Solution: You use the following PySpark expression:
df .summary ()
Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:
Yes, the df.summary() method does meet the goal. This method is used to compute specified statistics for numeric and string columns. By default, it provides statistics such as count, mean, stddev, min, and max. Reference = The PySpark API documentation details the summary() function and the statistics it provides.

NEW QUESTION # 131
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