

# 100% Pass Quiz DP-800 - Updated Developing AI-Enabled Database Solutions Lead2pass



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## Microsoft DP-800 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"><li>Implement AI capabilities in database solutions: This domain covers designing and managing external AI models and embeddings, implementing full-text, semantic vector, and hybrid search strategies, and building retrieval-augmented generation (RAG) solutions that connect database outputs with language models.</li></ul>
Topic 2	<ul style="list-style-type: none"><li>Secure, optimize, and deploy database solutions: This domain focuses on implementing data security measures like encryption, masking, and row-level security, optimizing query performance, managing CI</li><li>CD pipelines using SQL Database Projects, and integrating SQL solutions with Azure services including Data API builder and monitoring tools.</li></ul>
Topic 3	<ul style="list-style-type: none"><li>Design and develop database solutions: This domain covers designing and building database objects such as tables, views, functions, stored procedures, and triggers, along with writing advanced T-SQL code and leveraging AI-assisted tools like GitHub Copilot and MCP for SQL development.</li></ul>

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## Visual Microsoft DP-800 Cert Exam | DP-800 Reliable Test Tips

We provide updated and real Microsoft DP-800 exam questions that are sufficient to clear the Developing AI-Enabled Database Solutions (DP-800) exam in one go. The product of Exam4PDF is created by seasoned professionals and is frequently updated to reflect changes in the content of the DP-800 Exam Questions.

## Microsoft Developing AI-Enabled Database Solutions Sample Questions

## (Q72-Q77):

### NEW QUESTION # 72

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 an SDK-style SQL database project stored in a Git repository. The project targets an Azure SQL database.

The CI build fails with unresolved reference errors when the project references system objects.

You need to update the SQL database project to ensure that dotnet build validates successfully by including the correct system objects in the database model for Azure SQL Database.

Solution: Add the Microsoft.SqlServer.Dacpac.Master NuGet package to the project.

Does this meet the goal?

- A. Yes
- B. No

### Answer: B

Explanation:

Correct:

\* Add the Microsoft.SqlServer.Dacpac.Azure.Master NuGet package to the project.

To resolve system reference errors in an SDK-style SQL project targeting Azure SQL Database, you need to add a reference to the Microsoft.SqlServer.Dacpac.Azure.Master NuGet package.

In your .sqlproj file, include the following item group:

```
<ItemGroup>  
<PackageReference Include="Microsoft.SqlServer.Dacpac.Azure.Master" Version="1.60.0" />  
</ItemGroup>
```

Why this works:

System Objects: Standard SDK-style projects don't automatically include system views (like sys.database\_principals or sys.dm\_db\_resource\_stats). This package provides the necessary metadata for the compiler.

Azure Specifics: It includes Azure-only system objects that aren't present in the standard master database dacpac used for on-premises SQL Server.

CI/CD Friendly: Since it is a NuGet package, the dotnet build command will automatically restore it during the CI process without requiring manual file paths or local installations of Visual Studio.

Incorrect:

\* Add an artifact reference to the Azure SQL Database master.dacpac file.

\* Add the Microsoft.SqlServer.Dacpac.Master NuGet package to the project.

Reference:

<https://learn.microsoft.com/en-us/sql/tools/sql-database-projects/concepts/system-objects>

### NEW QUESTION # 73

You have an Azure SQL database named ToDo that contains a table named dbo.ToDo.

Your company plans to develop an Azure Functions app to run whenever the rows in dbo.ToDo change. The app will process INSERT, UPDATE, and DELETE events by using the Azure SQL trigger binding.

You need to configure ToDo to support the planned app.

What should you do?

- A. On dbo.ToDo, create a Data Definition Language (DDL) trigger that calls the Azure Functions HTTP endpoint.
- B. Enable change data capture (CDC) on ToDo and dbo.ToDo.
- C. On dbo.ToDo, create a Data Manipulation Language (DML) trigger that calls the Azure Functions HTTP endpoint.
- D. Enable change tracking on ToDo and dbo.ToDo.

### Answer: D

Explanation:

To use the Azure SQL trigger for Azure Functions, your database table must have Change Tracking enabled. This is the underlying mechanism the trigger uses to monitor row-level modifications.

Required Table Configuration

To facilitate the app, you must follow these three steps:

1. Enable Change Tracking on the Database

Before the table can be tracked, the feature must be turned on at the database level.

2. Enable Change Tracking on the Table

The specific table the Function monitors must have tracking enabled.

3. Define a Primary Key

The Azure SQL trigger requires the table to have a Primary Key.

The trigger uses the Primary Key to identify which specific rows were changed.

If your table lacks a Primary Key, the Function will fail to start.

Reference:

<https://deniliani.com/2025/05/08/azure-function-sql-trigger-how-to-use-it-and-why-it-can-be-useful-in-your-business-central-projects/>

#### NEW QUESTION # 74

Which SQL feature is commonly used to integrate AI-generated insights?

- A. Stored Procedures
- **B. External APIs**
- C. Views
- D. Triggers

**Answer: B**

Explanation:

AI models (like OpenAI) are typically accessed via APIs, which SQL apps call externally.

#### NEW QUESTION # 75

You have an Azure SQL database.

You need to create a scalar user-defined function (UDF) that returns the number of whole years between an input parameter named `@OrderDate` and the current date/time as a single positive integer. The function must be created in Azure SQL Database.

You write the following code.



```
01 CREATE FUNCTION dbo.ufnYearsSinceOrder (@OrderDate datetime2)
02 RETURNS int
03 AS
04 BEGIN
05
06 END
```

What should you insert at line 05?

- A. RETURN DATEDIFF(year, GETDATE(), @OrderDate);
- B. DATEPART(year, GETDATE()) - DATEPART(year, @orderdate)
- C. DATEDIFF(month, @orderdate, GETDATE()) / 12
- **D. RETURN DATEDIFF(year, @OrderDate, GETDATE());**

**Answer: D**

Explanation:

Use RETURN to produce the scalar value of the function.

In an Azure SQL Database scalar function (a user-defined function that returns a single value), you must use the RETURN statement to return the scalar value.

The RETURN statement immediately terminates the function's execution and returns the value specified in its argument to the calling statement or procedure. The value returned must be of the data type specified in the RETURNS clause of the function definition.

The second argument to DATEDIFF should be `@OrderDate` as it is the start date, while the third argument is the end date, which is the current date.

Note:

DATEDIFF (Transact-SQL)

This function returns the count (as a signed integer value) of the specified datepart boundaries crossed between the specified startdate and enddate.

Syntax

DATEDIFF ( datepart , startdate , enddate )

## Arguments

### datepart

Specifies the units in which DATEDIFF reports the difference between the startdate and enddate.

Commonly used datepart units include month or second.

Reference:

<https://learn.microsoft.com/en-us/sql/t-sql/functions/datediff-transact-sql>

## NEW QUESTION # 76

You have an Azure SQL database that stores order data. A reporting query aggregates monthly revenue per customer runs frequently.

You need to reduce how long it takes to retrieve the calculated values. The solution must NOT alter any underlying table structure. What should you do?

- A. Create a view by using ORDER BY without TOP. and then create a unique clustered index on the view.
- B. Create a view by using GROUP BY. and then create a unique clustered index on the view.
- C. Create a view without using WITH SCHEMABINDING, and then create a nonclustered index on the view.
- **D. Create a view by using WITH SCHEMABINDING, include COUNT\_BIG(\*). and then create a unique clustered index on the view.**

**Answer: D**

Explanation:

To speed up repeated aggregate retrieval without changing base-table structure, the right pattern is an indexed view . Microsoft requires that an indexed view be created with WITH SCHEMABINDING , and if the view uses GROUP BY , it must also include COUNT\_BIG(\*) . After that, the first index on the view must be a unique clustered index .

The other options fail Microsoft's indexed-view rules:

\* A is invalid because ORDER BY is not allowed in the indexed-view definition.

\* B is invalid because indexed views require WITH SCHEMABINDING , and the first index cannot just be a nonclustered index.

\* C is incomplete because a grouped indexed view must include COUNT\_BIG(\*) .

## NEW QUESTION # 77

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