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Q&A

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Exam : **070-461**

Title : Querying Microsoft SQL
Server 2012

Version : Demo

1.You develop a Microsoft SQL Server 2012 server database that supports an application. The application contains a table that has the following definition:

```
CREATE TABLE Inventory  
(ItemID int NOT NULL PRIMARY KEY,  
ItemsInStore int NOT NULL,  
ItemsInWarehouse int NOT NULL)
```

You need to create a computed column that returns the sum total of the ItemsInStore and ItemsInWarehouse values for each row.

Which Transact-SQL statement should you use?

- A. ALTER TABLE Inventory
ADD TotalItems AS ItemsInStore + ItemsInWarehouse
- B. ALTER TABLE Inventory
ADD ItemsInStore - ItemsInWarehouse = TotalItems
- C. ALTER TABLE Inventory
ADD TotalItems = ItemsInStore + ItemsInWarehouse
- D. ALTER TABLE Inventory
ADD TotalItems AS SUM(ItemsInStore, ItemsInWarehouse);

Answer: A

Explanation:

Reference: <http://technet.microsoft.com/en-us/library/ms190273.aspx>

2.You develop a Microsoft SQL Server 2012 database.

You create a view from the Orders and OrderDetails tables by using the following definition.

```
CREATE VIEW vOrders  
WITH SCHEMABINDING  
AS  
SELECT o.ProductID,  
       o.OrderDate,  
       SUM(od.UnitPrice * od.OrderQty) AS Amount  
FROM OrderDetails AS od INNER JOIN  
     Orders AS o ON od.CrderlD = o.OrderlD  
WHERE od.SalesCrderID = o.SalesCrderID  
GROUP BY o.OrderDate, o.ProductID  
GO
```

You need to improve the performance of the view by persisting data to disk.

What should you do?

- A. Create an INSTEAD OF trigger on the view.
- B. Create an AFTER trigger on the view.
- C. Modify the view to use the WITH VIEW_METADATA clause.
- D. Create a clustered index on the view.

Answer: D

Explanation:

Reference: <http://msdn.microsoft.com/en-us/library/ms188783.aspx>

3.You develop a database for a travel application. You need to design tables and other database objects. You create the Airline_Schedules table.

You need to store the departure and arrival dates and times of flights along with time zone information.

What should you do?

- A. Use the CAST function.
- B. Use the DATE data type.
- C. Use the FORMAT function.
- D. Use an appropriate collation.
- E. Use a user-defined table type.
- F. Use the VARBINARY data type.
- G. Use the DATETIME data type.
- H. Use the DATETIME2 data type.
- I. Use the DATETIMEOFFSET data type.
- J. Use the TODATETIMEOFFSET function.

Answer: I

Explanation:

Reference: <http://msdn.microsoft.com/en-us/library/ff848733.aspx>

Reference: <http://msdn.microsoft.com/en-us/library/bb630289.aspx>

4.You develop a database for a travel application. You need to design tables and other database objects. You create a stored procedure. You need to supply the stored procedure with multiple event names and their dates as parameters.

What should you do?

- A. Use the CAST function.
- B. Use the DATE data type.
- C. Use the FORMAT function.
- D. Use an appropriate collation.
- E. Use a user-defined table type.
- F. Use the VARBINARY data type.
- G. Use the DATETIME data type.
- H. Use the DATETIME2 data type.
- I. Use the DATETIMEOFFSET data type.
- J. Use the TODATETIMEOFFSET function.

Answer: E

5.CORRECT TEXT

You have a view that was created by using the following code:

```
CREATE VIEW Sales.OrdersByTerritory
AS
SELECT OrderID
       ,OrderDate
       ,SalesTerritoryID
       ,TotalDue
FROM Sales.Orders;
```

You need to create an inline table-valued function named Sales.fn_OrdersByTerritory, which must meet the following requirements:

- Accept the @T integer parameter.
- Use one-part names to reference columns.
- Filter the query results by SalesTerritoryID.
- Return the columns in the same order as the order used in OrdersByTerritoryView.

Which code segment should you use? To answer, type the correct code in the answer area.

Answer:

```
CREATE FUNCTION Sales.fn_OrdersByTerritory (@T int)
RETURNS TABLE
AS
RETURN
(
SELECT OrderID,OrderDate,SalesTerritoryID,TotalDue
FROM Sales.OrdersByTerritory
WHERE SalesTerritoryID = @T
)
```