

**Exam Number/Code:** 70-461

**Exam Name:** Querying Microsoft SQL  
Server 2012

**Version:** Demo

### QUESTION 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 = TotalItemss
- C. ALTER TABLE Inventory  
ADD TotalItems = ItemsInStore + ItemsInWarehouse
- D. ALTER TABLE Inventory  
ADD TotalItems AS SUM(ItemsInStore, ItemsInWarehouse);

Answer: A

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

### QUESTION 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.OrderID = o.OrderID
WHERE od.SalesOrderID = o.SalesOrderID
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

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

### QUESTION 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

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

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

#### QUESTION 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

#### QUESTION 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.

A.

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

Answer: A

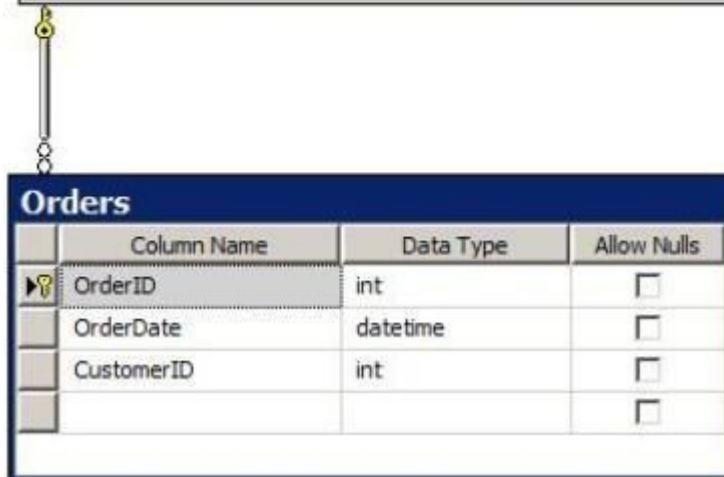
QUESTION 6

CORRECT TEXT

You have a database that contains the tables shown in the exhibit. (Click the Exhibit button.)

OrderDetails			
	Column Name	Data Type	Allow Nulls
	ListPrice	money	<input type="checkbox"/>
	Quantity	int	<input type="checkbox"/>
			<input type="checkbox"/>

Customers			
	Column Name	Data Type	Allow Nulls
	CustomerID	int	<input type="checkbox"/>
	FirstName	varchar(100)	<input type="checkbox"/>
	LastName	varchar(100)	<input type="checkbox"/>
			<input type="checkbox"/>



You deploy a new server that has SQL Server 2012 installed. You need to create a table named Sales.OrderDetails on the new server. Sales.OrderDetails must meet the following requirements:

Write the results to a disk.

Contain a new column named LineItemTotal that stores the product of ListPrice and Quantity for each row.


The code must NOT use any object delimiters.


The solution must ensure that LineItemTotal is stored as the last column in the table. Which code segment should you use?

To answer, type the correct code in the answer area.

Answer:

OrderDetails			
	Column Name	Data Type	Allow Nulls
	ListPrice	money	<input type="checkbox"/>
	Quantity	int	<input type="checkbox"/>
			<input type="checkbox"/>

Customers			
	Column Name	Data Type	Allow Nulls
	CustomerID	int	<input type="checkbox"/>
	FirstName	varchar(100)	<input type="checkbox"/>
	LastName	varchar(100)	<input type="checkbox"/>
			<input type="checkbox"/>

Orders			
	Column Name	Data Type	Allow Nulls
	OrderID	int	<input type="checkbox"/>
	OrderDate	datetime	<input type="checkbox"/>
	CustomerID	int	<input type="checkbox"/>
			<input type="checkbox"/>

QUESTION 7  
CORRECT TEXT

You have a database that contains the tables shown in the exhibit. (Click the Exhibit button.)

OrderDetails			
	Column Name	Data Type	Allow Nulls
	ListPrice	money	<input type="checkbox"/>
	Quantity	int	<input type="checkbox"/>
			<input type="checkbox"/>

Customers			
	Column Name	Data Type	Allow Nulls
	CustomerID	int	<input type="checkbox"/>
	FirstName	varchar(100)	<input type="checkbox"/>
	LastName	varchar(100)	<input type="checkbox"/>
			<input type="checkbox"/>

Orders			
	Column Name	Data Type	Allow Nulls
	OrderID	int	<input type="checkbox"/>
	OrderDate	datetime	<input type="checkbox"/>
	CustomerID	int	<input type="checkbox"/>
			<input type="checkbox"/>

You need to create a view named uv\_CustomerFullName to meet the following requirements:

The code must NOT include object delimiters.

The view must be created in the Sales schema.

Columns must only be referenced by using one-part names. The view must return the first name and the last name of all customers. The view must prevent the underlying structure of the customer table from being changed.

The view must be able to resolve all referenced objects, regardless of the user's default schema.

Which code segment should you use?

To answer, type the correct code in the answer area.



Answer:

OrderDetails			
	Column Name	Data Type	Allow Nulls
	ListPrice	money	<input type="checkbox"/>
	Quantity	int	<input type="checkbox"/>
			<input type="checkbox"/>

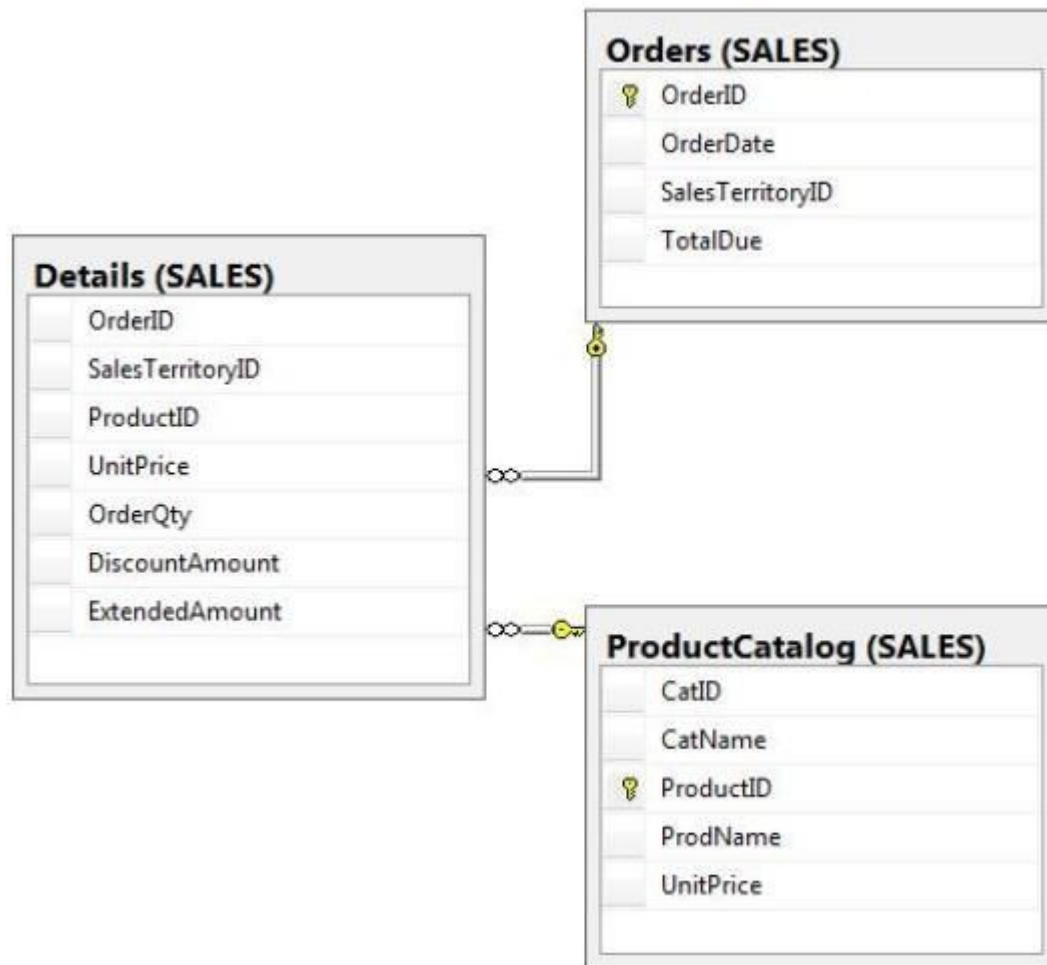
Customers			
	Column Name	Data Type	Allow Nulls
	CustomerID	int	<input type="checkbox"/>
	FirstName	varchar(100)	<input type="checkbox"/>
	LastName	varchar(100)	<input type="checkbox"/>
			<input type="checkbox"/>

Orders			
	Column Name	Data Type	Allow Nulls
	OrderID	int	<input type="checkbox"/>
	OrderDate	datetime	<input type="checkbox"/>
	CustomerID	int	<input type="checkbox"/>
			<input type="checkbox"/>

QUESTION 8

CORRECT TEXT

You have a database that contains the tables shown in the exhibit. (Click the Exhibit button.)



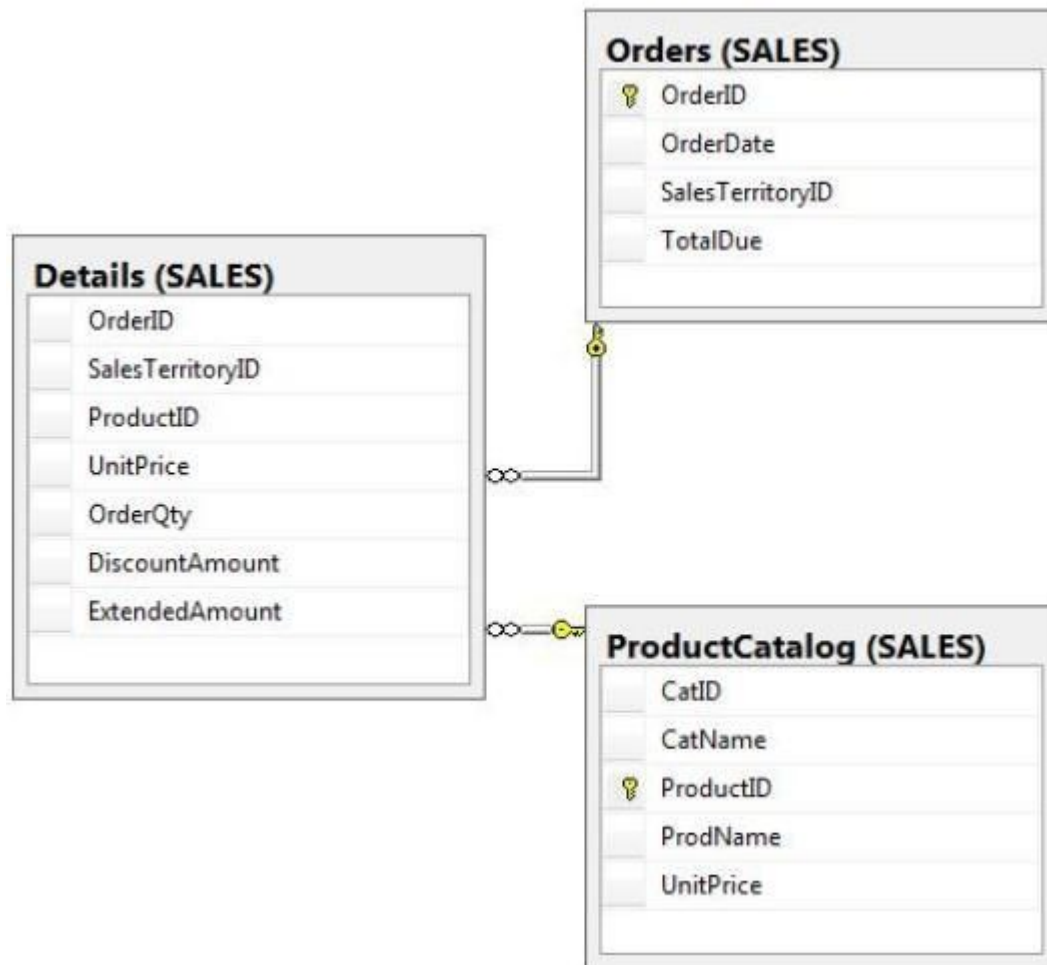
You need to create a query that calculates the total sales of each OrderId from the Sales.Details table. The solution must meet the following requirements:

- Use one-part names to reference columns.
- Sort the order of the results from OrderId.
- NOT depend on the default schema of a user.
- Use an alias of TotalSales for the calculated ExtendedAmount. Display only the OrderId column and the calculated TotalSales column.

Which code segment should you use?

To answer, type the correct code in the answer area.

Answer:



#### QUESTION 9

You have a Microsoft SQL Server 2012 database that contains tables named Customers and Orders.

The tables are related by a column named CustomerID.

You need to create a query that meets the following requirements:

Returns the CustomerName for all customers and the OrderDate for any orders that they have placed.

Results must include customers who have not placed any orders.

Which Transact-SQL query should you use?

A. `SELECT CustomerName, OrderDate  
FROM Customers  
RIGHT OUTER JOIN Orders  
ON Customers.CustomerID = Orders.CustomerID`

B. SELECT CustomerName, OrderDate  
FROM Customers  
JOIN Orders  
ON Customers.CustomerID = Orders.CustomerID  
C. SELECT CustomerName, OrderDate  
FROM Customers  
CROSS JOIN Orders  
ON Customers.CustomerID = Orders.CustomerID  
D. SELECT CustomerName, OrderDate  
FROM Customers  
LEFT OUTER JOIN Orders  
ON Customers.CustomerID = Orders.CustomerID

Answer: D

Reference: <http://msdn.microsoft.com/en-us/library/ms177634.aspx>

#### QUESTION 10

You create a stored procedure that will update multiple tables within a transaction.

You need to ensure that if the stored procedure raises a run-time error, the entire transaction is terminated and rolled back.

Which Transact-SQL statement should you include at the beginning of the stored procedure?

- A. SET XACT\_ABORT ON
- B. SET ARITHABORT ON
- C. TRY
- D. BEGIN
- E. SET ARITHABORT OFF
- F. SET XACT\_ABORT OFF

Answer: A

Reference: <http://msdn.microsoft.com/en-us/library/ms190306.aspx>

Reference: <http://msdn.microsoft.com/en-us/library/ms188792.aspx>