



**70-433**

(TS: Microsoft SQL Server 2008, Database Development)

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## Question: 1

You are a database developer and you have many years experience in database development. Now you are employed in a company which is named Loxgo. The company uses SQL Server 2008 and all the company data is stored in the SQL Server 2008 database. This morning you receive an e-mail from your company manager, in the e-mail, the manager asks you to create a table which is named dbo.Devices. Five rows have to be inserted into the dbo.Devices table. After this, DeviceID has to be returned for each of the rows. Of the following Transact-SQL batches, which one should be used?

- A. CREATE TABLE dbo.Widgets ( WidgetID UNIQUEIDENTIFIER PRIMARY KEY, WidgetName VARCHAR(25) );GOINSERT dbo.Widgets (WidgetName)VALUE ('WidgetOne'),('WidgetTwo'),('WidgetThree'),('WidgetFour'),('WidgetFive');SELECT SCOPE\_IDENTITY();
- B. CREATE TABLE dbo.Widgets ( WidgetID INT IDENTITY PRIMARY KEY, WidgetName VARCHAR(25) );GOINSERT dbo.Widgets (WidgetName)VALUES ('WidgetOne'),('WidgetTwo'),('WidgetThree'),('WidgetFour'),('WidgetFive');SELECT SCOPE\_IDENTITY();
- C. CREATE TABLE dbo.Widgets ( WidgetID UNIQUEIDENTIFIER PRIMARY KEY, WidgetName VARCHAR(25));GOINSERT dbo.Widgets (WidgetName)OUTPUT inserted.WidgetID, inserted.WidgetNameVALUES ('WidgetOne'),('WidgetTwo'),('WidgetThree'),('WidgetFour'),('WidgetFive');
- D. CREATE TABLE dbo.Widgets ( WidgetID INT IDENTITY PRIMARY KEY, WidgetName VARCHAR(25));GOINSERT dbo.Widgets (WidgetName)OUTPUT inserted.WidgetID, inserted.WidgetNameVALUES ('WidgetOne'),('WidgetTwo'),('WidgetThree'),('WidgetFour'),('WidgetFive');

Answer: D

## Question: 2

You are a database developer and you have many years experience in database development. Now you are employed in a company which is named Loxgo. The company uses SQL Server 2008 and all the company data is stored in the SQL Server 2008 database. The SQL Server has identified many missing indexes. Now you have to build CREATE INDEX statements for all the missing indexes. Which dynamic management view should be used?

- A. sys.dm\_db\_index\_usage\_stats should be used
- B. sys.dm\_db\_missing\_index\_group\_stats should be used
- C. sys.dm\_db\_missing\_index\_details should be used
- D. sys.dm\_db\_missing\_index\_columns should be used

Answer: B

## Question: 3

You are a database developer and you have many years experience in database development. Now you are employed in a company which is named Loxgo. The company uses SQL Server2008 and all the company data is stored in the SQL Server 2008 database. Look at codesegment below:

```
DECLARE @RangeStart INT = 0; DECLARE @RangeEnd INT = 8000; DECLARE @RangeStep  
INT = 1; WITH NumberRange(ItemValue) AS (SELECT ItemValue FROM (SELECT  
@RangeStart AS ItemValue) AS t UNION ALL SELECT ItemValue + @RangeStep FROM  
NumberRange WHERE ItemValue < @RangeEnd) SELECT ItemValue FROM NumberRange  
OPTION (MAXRECURSION 100)
```

Do you know the result of executing this code segment? Which result will be returned?

- A. 101 rows will be returned with a maximum recursion error.
- B. 10,001 rows will be returned with a maximum recursion error
- C. 101 rows will be returned with no error
- D. 10,001 rows will be returned with no error

Answer: A

## Question: 4

You are a database developer and you have many years experience in database development. Now you are employed in a company which is named Loxgo. The company uses SQL Server2008 and all the company data is stored in the SQL Server 2008 database. There is a table named dbo.Sellings in the database. The table contains the following table definition:

```
CREATE TABLE [dbo].[Selling]( [SellingID] [int] IDENTITY(1,1) NOT NULL PRIMARY KEY  
CLUSTERED, [OrderDate] [datetime] NOT NULL, [CustomerID] [int] NOT NULL,  
[SellingPersonID] [int] NULL, [CommentDate] [date] NULL);
```

Since you notice that this query takes a long time to run, you start to examine the data. You find that only 2% of rows have comment dates and the SellingPersonID is null on 10% of the rows after the examination. So you have to improve the query performance. You have to create an index which must save disk space when optimize the query. Of the following index, which one should you choose?

- A. CREATE NONCLUSTERED INDEX idx2 ON dbo.Selling (CommentDate, SellingPersonID) INCLUDE(CustomerID)WHERE CommentDate IS NOT NULL
- B. CREATE NONCLUSTERED INDEX idx2ON dbo.Selling (CustomerID)INCLUDE (CommentDate,SellingPersonID);
- C. CREATE NONCLUSTERED INDEX idx2ON dbo.Selling (SellingPersonID)INCLUDE (CommentDate,CustomerID);
- D. CREATE NONCLUSTERED INDEX idx2ON dbo.Selling (CustomerID)INCLUDE(CommentDate)WHERE SellingPersonID IS NOT NULL

Answer: A

Question: 5

You are a database developer and you have many years experience in database development. Now you are employed in a company which is named Loxgo. The company uses SQL Server 2008 and all the company data is stored in the SQL Server 2008 database which is named DB1. There is a table named Bill in DB1. BillID is the primary key of the Bill table. By using the identity property, it is populated. The Bill table and the BillLineItem are related to each other. In order to increase load speed, all constraints are removed from the Bill table during a data load. But a row with BillId = 10 was removed from the database when you removed the constraints. Therefore you have to re-insert the row into the Bill table with the same BillId value. Of the following options, which Transact-SQL statement should be used?

- A. INSERT INTO Bill(BillID, ...VALUES (10, ...
- B. SET IDENTITY\_INSERT BillON;INSERT INTO Bill(BillID, ...VALUES (10, ...SET IDENTITY\_INSERT BillOFF;
- C. ALTER TABLEBill;ALTER COLUMN BillID int;INSERT INTO Bill(BillID, ...VALUES (10, ...
- D. ALTER DATABASE DB1SET SINGLE\_USER;INSERT INTO Bill(BillID, ...VALUES (10, ...ALTER DATABASE DB1SET MULTI\_USER;

Answer: B

Question: 6

You are a database developer and you have many years experience in database development. Now you are employed in a company which is named Loxgo. The company uses SQL Server 2008 and all the company data is stored in the SQL Server 2008 database. There are two tables in the company database. One table is named Subitems which includes subitems for shoes, hats and shirts. Another one is named Commodities which includes commodities only from the Subitems shoes and hats. Look at the following query: **SELECT s.Name, p.Name AS CommodityName FROM Subitems s OUTER APPLY (SELECT \* FROM Commodities pr WHERE pr.SubitemID = s.SubitemID) p WHERE s.Name IS NOT NULL;**

Now you have to foretell what results the query produces. So what is the answer?

- A. Name CommodityName-----Shoes Mountain Bike Shoes,Shoes Mountain Bike Shoes,Shoes Racing Shoes, MShoes Racing Shoes, LHats ClassicHat, SHats ClassicHat, MHats ClassicHat, LNULL Mountain Bike Shoes,NULL Mountain Bike Shoes,NULL Racing Shoes, MNULL Racing Shoes, LNULL ClassicHat, SNULL ClassicHat, MNULL ClassicHat, LShirts NULLNULL NULL
- B. Name CommodityName-----Shoes Mountain Bike Shoes,Shoes Mountain Bike Shoes,Shoes Racing Shoes, MShoes Racing Shoes, LHats ClassicHat, SHats ClassicHat, MHats ClassicHat, L
- C. Name CommodityName-----Shoes Mountain Bike Shoes,Shoes Mountain Bike Shoes,Shoes Racing Shoes, MShoes Racing Shoes, LHats ClassicHat, SHats ClassicHat, MHats ClassicHat, LShirts NULL



D. Name Common  
 Bike Shoes, Shoes  
 ClassicHat, LShirts

Shoes, Shoes Mountain  
 ClassicHat, MHats

Answer: C

Question: 7

You are a database  
 development. Now  
 uses SQL Server 2008  
 There are two table  
 named Sellings and  
 table. On the Sellings  
 minimum valid vers  
 version 10. Accordi  
 only these data, inc  
 which one should b

database  
 xgo. The company  
 ver 2008 database.  
 re respectively  
 ne SellingsHistory  
 racking. The  
 hat changed since  
 written to export  
 wning methods,

- A. FROM Sellings
- B. FROM Sellings
- C. FROM Sellings
- D. FROM Sellings

AS C ...  
 AS C ...

Answer: B

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