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**Vendor:**Microsoft

**Exam Code:**70-461

**Exam Name:**Querying Microsoft SQL Server  
2012/2014

**Version:**Demo

### QUESTION 1

You have a SQL Server database that contains all of the customer data for your company.

You need to extract a random 1,000 row sample from a table Customers.

Part of the correct Transact-SQL has been provided in the answer area below. Enter the code in the answer area that resolves the problem and meets the stated goals or requirements. You can add code within the code that has been

provided as well as below it.

```
1 SELECT *  
2 FROM Customers  
3 TABLESAMPLE SYSTEM ( )
```

## Keywords

ADD	DESC	KILL	ROW_NUMBER
ALL	DISK	LEFT	ROWGUIDCOL
ALTER	DISTINCT	LIKE	RULE
AND	DISTRIBUTED	LINENO	SAVESCHEMA
ANY	DOUBLE	LOAD	SCHEMABINDING
AS	DROP	MAX	SECURITYAUDIT
ASC	DUMP	MERGE	SELECT
AUTHORIZATION	ELSE	NATIONAL	SEMANTICKEYPHRASETABLE
BACKUP	END	NOCHECK	SEMANTICSIMILARITYDETAILSTABLE
BEGIN	ERRLVL	NONCLUSTEREDNOT	SEMANTICSIMILARITYTABLE
BETWEEN	ERROR_NUMBER	NULL	SESSION_USER
BREAK	ESCAPE	NULLIF	SET
BROWSE	ESCEPT	OF	SETUSER
BULK	EXEC	OFF	SHUTDOWN
BY	EXECUTE	OFFSETS	SNAPSHOT
CASCADE	EXISTS	ON	SOME
CASE	EXIT	OPEN	STATISTICS
CAST	EXTERNAL	OPENDATASOURCE	SYSTEM_USER
CATCH	FETCH	OPENQUERY	TABLE
CHECK	FILE	OPENROWSET	TABLESAMPLE
CHECKPOINT	FILESTREAM	OPENXML	TEXTSIZE
CLOSE	FILLFACTOR	OPTION	THEN
CLUSTERED	FOR	OR	TO
COALESCE	FORFOREIGN	ORDER	TOP
COLLATE	FREETEXT	OUTER	TRAN
COLUMN	FREETEXTTABLE	OVER	TRANSACTION
COMMIT	FROM	PERCENT	TRIGGER
COMPUTE	FULL	PERSISTED	TRUNCATE
CONCAT	FUNCTION	PIVOT	TRY_CONVERT
CONSTRAINT	GETDATE	PLAN	TSEQUAL
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CONTAINSTABLE	GOTO	PRIMARY	UNIQUE
CONTINUE	GRANT	PRINT	UNPIVOT
CONVERT	GROUP	PROC	UPDATE
CREATE	HAVING	PROCEDURE	UPDATETEXT
CROSS	HOLDLOCK	PUBLIC	USE
CREATE	IDENTITY	RAISERROR	USER
CROSS	IDENTITY_INSERT	RANK	VALUES
CURRENT	IDENTITYCOL	READ	VARYING
CURRENT_DATE	IF	READTEXT	VIEW
CURRENT_TIME	IFF	RECONFIGURE	WAITFOR
CURRENT_TIMESTAMP	IN	REFERENCES	WHEN
CURRENT_USER	INDEX	REPEATABLE	WHERE
CURSOR	INNER	REPLICATION	WHILE
DATABASE	INSERT	RESTORE	WITH
DATETIME	INT	RESTRICT	WITHIN GROUP
DBCC	INTERSECT	RETURNREVERT	WRITETEXT
DEALLOCATE	INTO	REVOKE	XML
DECLAREDEFAULT	IS	RIGHT	
DELETE	ISNULL	ROLLBACK	
DENSE_RANK	JOIN	ROWCOUNT	
DENY	KEY		

Use the Check Syntax button to verify your work. Any syntax or spelling errors will be reported by line and character position.

Correct Answer: TABLESAMPLE SYSTEM (1000 ROWS)

Update line 3 to get the following:

```
SELECT *  
FROM Customers  
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```

The TABLESAMPLE clause limits the number of rows returned from a table in the FROM clause to a sample number or PERCENT of rows.

Syntax: TABLESAMPLE [SYSTEM] (sample\_number [ PERCENT | ROWS ] )

References: [https://technet.microsoft.com/en-us/library/ms189108\(v=sql.105\).aspx](https://technet.microsoft.com/en-us/library/ms189108(v=sql.105).aspx)

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## QUESTION 2

Complete the missing word below. A \_\_\_\_\_ is a special kind of stored procedure that executes automatically when a user attempts the specified data-modification statement on the specified table.

- A. Constraint
- B. DLL
- C. View
- D. Trigger

Correct Answer: D

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## QUESTION 3

You develop a Microsoft SQL Server database that contains tables named Employee and Person. The tables have the following definitions:

```

CREATE TABLE [dbo].[Employee](
  [PersonId] [bigint] NOT NULL,
  [EmployeeNumber] [nvarchar](15) NOT NULL,
  CONSTRAINT [PK_Employee] PRIMARY KEY CLUSTERED
  (
    [PersonId] ASC
  ) ON [PRIMARY]
) ON [PRIMARY]
GO

```

```

CREATE TABLE [dbo].[Person](
  [Id] [bigint] NOT NULL,
  [FirstName] [nvarchar](25) NOT NULL,
  [LastName] [nvarchar](25) NOT NULL,
  CONSTRAINT [PK_Person] PRIMARY KEY CLUSTERED
  (
    [Id] ASC
  ) ON [PRIMARY]
) ON [PRIMARY]
GO

```

You create a view named VwEmployee as shown in the following Transact-SQL statement.

```

CREATE VIEW [dbo].[VwEmployee]
AS
SELECT
Employee.EmployeeNumber,
  Person.FirstName,
  Person.LastName,
  Person.Id
FROM Employee
INNER JOIN Person
ON Employee.PersonId = Person.Id
GO

```

Users are able to use single INSERT statements or INSERT...SELECT statements into this view.

You need to ensure that users are able to use a single statement to insert records into both Employee and Person tables by using the VwEmployee view.

Which Transact-SQL statement should you use?

CREATE TRIGGER TrgVwEmployee

A. ON VwEmployee FOR INSERT AS BEGIN INSERT INTO Person(Id, FirstName, LastName) SELECT Id, FirstName, LastName, FROM inserted INSERT INTO Employee(PersonId, EmployeeNumber) SELECT Id, EmployeeNumber FROM inserted END

B. CREATE TRIGGER TrgVwEmployee ON VwEmployee INSTEAD OF INSERT AS BEGIN INSERT INTO Person(Id, FirstName, LastName) SELECT Id, FirstName, LastName, FROM inserted INSERT INTO Employee(PersonId, EmployeeNumber) SELECT Id, EmployeeNumber FROM inserted END CREATE TRIGGER TrgVwEmployee

C. ON VwEmployee INSTEAD OF INSERT AS BEGIN DECLARE @ID INT, @FirstName NVARCHAR(25), @LastName NVARCHAR(25), @PersonID INT, @EmployeeNumber NVARCHAR(15) SELECT @ID = ID, @FirstName = FirstName, @LastName = LastName, @EmployeeNumber = EmployeeNumber FROM inserted INSERT INTO

```
Person(Id, FirstName, LastName) VALUES(@ID, @FirstName, @LastName) INSERT INTO Employee(PersonID, EmployeeNumber) VALUES(@PersonID, @EmployeeNumber) END
```

```
D. CREATE TRIGGER TrgVwEmployee ON VwEmployee INSTEAD OF INSERT AS BEGIN INSERT INTO Person(Id, FirstName, LastName) SELECT Id, FirstName, LastName FROM VwEmployee INSERT INTO Employee(PersonID, EmployeeNumber) SELECT Id, EmployeeNumber FROM VwEmployee END
```

Correct Answer: B

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#### QUESTION 4

You use Microsoft SQL Server 2012 to develop a database application.

You create a stored procedure named DeleteJobCandidate.

You need to ensure that if DeleteJobCandidate encounters an error, the execution of the stored procedure reports the error number.

Which Transact-SQL statement should you use?

A. DECLARE @ErrorVar INT; DECLARE @RowCountVar INT; EXEC DeleteJobCandidate SELECT @ErrorVar = @@ERROR, @RowCountVar = @@ROWCOUNT; IF (@ErrorVar 0) PRINT N'\Error = \' + CAST(@@ErrorVar AS NVARCHAR(8)) + N'\, Rows Deleted = \' + CAST(@RowCountVar AS NVARCHAR(8)); GO

B. DECLARE @ErrorVar INT; DECLARE @RowCountVar INT; EXEC DeleteJobCandidate SELECT @ErrorVar = ERROR\_STATE(), @RowCountVar = @@ROWCOUNT; IF (@ErrorVar 0) PRINT N'\Error = \' + CAST(ERROR\_STATE() AS NVARCHAR(8)) + N'\, Rows Deleted = \' + CAST(@RowCountVar AS NVARCHAR(8)); GO

C. EXEC DeleteJobCandidate IF (ERROR\_STATE() != 0) PRINT N'\Error = \' + CAST(@@ERROR AS NVARCHAR(8)) + N'\, Rows Deleted = \' + CAST(@@ROWCOUNT AS NVARCHAR(8)); GO

D. EXEC DeleteJobCandidate PRINT N'\Error = \' + CAST(@@ERROR AS NVARCHAR(8)) + N'\, Rows Deleted = \' + CAST(@@ROWCOUNT AS NVARCHAR(8)); GO

Correct Answer: A

Reference: <http://msdn.microsoft.com/en-us/library/ms190193.aspx> Reference: <http://msdn.microsoft.com/en-us/library/ms188790.aspx>

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#### QUESTION 5

You administer a Microsoft SQL Server database that contains a table named Products.

In a bit column named Discontinued, a value of 1 indicates a product is inactive, and a value of 0 indicates the product is active.

You need to create a view that returns a column with a full product status description.

Which expression should you use to define the column?

A. IF(Discontinued = 0, `Active`, `Inactive`)

B. CASE Discontinued WHEN 0 THEN `Active` WHEN 1 THEN `Inactive` END

C. IF Discontinued = 0 `Active` ELSE `Inactive`

D. DECODE (Discontinued, 0, `Active`, 1, `Inactive`, `Unknown`)

Correct Answer: B

The CASE statement evaluates a list of conditions and returns one of multiple possible result expressions.

The CASE expression has two formats:

The simple CASE expression compares an expression to a set of simple expressions to determine the result.

The searched CASE expression evaluates a set of Boolean expressions to determine the result.

Both formats support an optional ELSE argument.

CASE can be used in any statement or clause that allows a valid expression.

References: <https://docs.microsoft.com/en-us/sql/t-sql/language-elements/case-transact-sql?view=sql-server-2017>

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## QUESTION 6

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### QUESTION 7

You need to extract data from a table in a SQL Server 2012 database. What connection manager types can you use? (Choose all that apply.)

- A. An ODBC connection manager
- B. An OLE DB connection manager
- C. A File connection manager
- D. An ADO.NET connection manager

Correct Answer: ABD

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### QUESTION 8

What is the most important drawback of DMOs?

- A. You must have enough data collected from the last restart of SQL Server.
- B. DMOs are complex to use.
- C. DMOs are not available in the Standard edition of SQL Server.
- D. You have to recreate DMOs before each analysis.

Correct Answer: A

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### QUESTION 9

Which of the following statements are true about an INSTEAD OF trigger? (Choose all that apply.)

- A. INSTEAD OF triggers can be created on views.
- B. INSTEAD OF triggers execute instead of AFTER triggers.

- C. INSTEAD OF triggers can only be declared for UPDATE statements.
- D. INSTEAD OF triggers execute code in place of the original DML statement

Correct Answer: AD

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#### QUESTION 10

What is the scan called when SQL Server scans a clustered index in logical order of the index?

- A. Allocation order scan
- B. Clustered index scan
- C. Index order scan
- D. Index order seek

Correct Answer: C

---

#### QUESTION 11

Why is it important to use standard SQL code when possible and know what is standard and what isn't? (Choose all that apply.)

- A. It is not important to code using standard SQL.
- B. Standard SQL code is more portable between platforms.
- C. Standard SQL code is more efficient.
- D. Knowing what standard SQL code is makes your knowledge more portable.

Correct Answer: BD

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#### QUESTION 12

How does the PIVOT operator determine what the grouping element is?

- A. It's the element specified as input to the GROUPING function.
- B. It's determined by elimination--the element(s) from the queried table that were not specified as the spreading or aggregation elements.
- C. It's the element specified in the GROUP BY clause.
- D. It's the primary key.

Correct Answer: B



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