```
    Which expression will work the best for creating a FullName column?
    a. FirstName + ' ' + MiddleName + ' ' + LastName
    b. FirstName + ISNULL(MiddleName, ' ') + LastName
    c. CONCAT(FirstName, ' ' + MiddleName, ' ', LastName)
```

2. Which query will return a combined list of territories and regions?

SELECT RegionID AS ID, RegionDescription AS Description FROM Region UNION ALL SELECT TerritoryID, TerritoryDescription FROM Territory;

 SELECT RegionID AS ID, RegionDescription AS Description FROM Region UNION ALL SELECT RegionID, TerritoryID, TerritoryDescription

FROM Territory;

c.

SELECT RegionID AS ID, RegionDescription AS Description FROM Region
UNION ALL
SELECT TerritoryDescription, TerritoryID
FROM Territory;

3. How many rows will be returned from this query?

```
SELECT ProductID, ProductName, Color, Size, ListPrice FROM Product WHERE Color <> 'Blue';
```

- 4. Which expression can be used to calculate approximately how old each employee was when joining the company?
 - a. DATEADD(year,BirthDate,HireDate)
 - b. DATEDIFF(year,BirthDate,HireDate)
 - c. DATECALC(year,Birthdate,HireDate)
 - d. YEAR(BirthDate,HireDate)
- 5. What is returned by the following expression?

LEFT('CoderGirl',4)

6. What is returned by the following expression?

CHARINDEX('G', 'CoderGirl')

7.	What will be	returned b	v the	following	auerv?
, .	VVIIGE VVIII DE	i ctarrica b	y	CHOWNING	946191

SELECT COUNT(Color) AS RC FROM Product;

8. Fill in the GROUP BY columns:

SELECT COUNT(*) AS OrderCount, ProductID, YEAR(OrderDate) AS OrderYear FROM Order AS Ord
INNER JOIN OrderDetail AS Det ON Ord.OrderID = Det.OrderID
INNER JOIN Product AS Prod ON Prod.ProductID = Det.ProductID
GROUP BY

- 9. What type of join is needed to get a list of all the employees and the orders, if any, associated with them?
 - a. INNER JOIN
 - b. LEFT OUTER JOIN
 - c. CROSS JOIN
- 10. Complete the query so that only the products which have sold at least 100 units are returned. There are two blanks, but you just need to fill in one of them.

SELECT SUM(Quantity) AS ItemsOrdered, ProductID FROM OrderDetail

GROUP BY ProductID

- 11. You want to return a list of the products IDs which have never sold. Which query will NOT do that?
 - a. SELECT ProductID

FROM Product

WHERE ProductID NOT IN (SELECT ProductID FROM OrderDetail);

b. SELECT DISTINCT ProductID

FROM Product AS P

INNER JOIN OrderDetail AS DET ON P.ProductID = DET.ProductID

WHERE DET.ProductID IS NULL;

c. SELECT ProductID

FROM Product

EXCEPT

SELECT ProductID

FROM OrderDetail;

12.	How many rows will be returned by this query?
	SELECT FirstName FROM Employee WHERE FirstName > 'M';
13.	How many rows will be returned by this query?
	SELECT FirstName FROM Employee WHERE FirstName LIKE 'M%';
14.	How many rows will be returned by this query?
	SELECT FirstName FROM Employee WHERE FirstName LIKE '%A%';
15.	What is the difference between UNION and UNION ALL?
16.	What is the difference between UNION and EXCEPT?
17.	You need a list of the regions, including RegionDescription, and employees within the regions. Which tables will be needed in the query?
18.	When you run this query, which ProductID will be first in the results?
	SELECT ProductID, ProductName, ListPrice, Color FROM Product ORDER BY ListPrice DESC, Color;

- 19. You want to save a script that creates a temp table, inserts rows, and returns the results. Which object should you use?
 - a. View
 - b. Stored procedure
 - c. User defined function
 - d. C# application
- 20. You are creating a table for a list of US states. Which data type is best for storing the two-letter abbreviation?
 - a. VARCHAR(MAX)
 - b. NVARCHAR(2)
 - c. CHAR(2)
 - d. VARCHAR(10)