#20.

SELECT c.CategoryName,COUNT(p.ProductName) AS TotalProducts FROM Categories AS c

LEFT JOIN Products AS p

ON c.CategoryID = p.CategoryID

GROUP BY c.CategoryName;

**OR,**

SELECT c.CategoryName,COUNT(p.ProductName) AS TotalProducts FROM Categories AS c

INNER JOIN Products AS p

ON c.CategoryID = p.CategoryID

GROUP BY c.CategoryName;

#21.

SELECT Country,City,COUNT(CustomerID) AS TotalCustomer FROM Customers

GROUP BY Country,City;

#22.

SELECT ProductID,ProductName,UnitsInStock,ReorderLevel FROM Products

WHERE UnitsInStock < ReorderLevel;

#23.

SELECT ProductID,ProductName,UnitsInStock,UnitsOnOrder,ReorderLevel,Discontinued FROM Products

WHERE (UnitsInStock+UnitsOnOrder) <= ReorderLevel

AND Discontinued = 0;

#24.

NEED TO CHECK.

#25.

SELECT TOP 3 ShipCountry,AVG(Freight) AS AverageFreight FROM Orders

GROUP BY ShipCountry

ORDER BY AverageFreight DESC;

#26.

SELECT TOP 3 ShipCountry,AVG(Freight) AS AverageFreight FROM Orders

WHERE OrderDate = '1998'

GROUP BY ShipCountry

ORDER BY AverageFreight DESC; <Check>

#27.

#29.

SELECT e.EmployeeID,e.LastName,o.OrderID,ProductName,od.Quantity FROM Employees AS e

INNER JOIN Orders AS o ON e.EmployeeID = o.EmployeeID

INNER JOIN [Order Details] AS od ON o.OrderID = od.OrderID

INNER JOIN Products AS p ON od.ProductID = p.ProductID;

#30.

SELECT c.CustomerID AS Customers\_CustomerID,o.CustomerID AS Orders\_CustomerID FROM Customers AS c

LEFT JOIN Orders AS o ON c.CustomerID = o.CustomerID

WHERE o.CustomerID IS NULL;

#31.

SELECT c.CustomerID,o.CustomerID FROM Customers AS c

LEFT JOIN Orders AS o ON o.CustomerID = c.CustomerID

WHERE o.EmployeeID = 4 AND o.CustomerID IS NULL;

<check>