# 21. SQL statement that lists the ProductName if it finds ANY records in the OrderDetails table has Quantity equal to 10 (this will return TRUE because the Quantity column has some values of 10)

select \* from Products as p

join (SELECT distinct (productid) as ProductID from OrderDetails where Quantity = 10) as pld

on p.productID = pld.ProductID

Select ProductName from Productswhere ProductID in (SELECT distinct (ProductID) as ProductID from OrderDetails where Quantity = 10);

#23. Write a SQL query to fetch the top customers for all the countries by number of orders made, sorted by ascending order of Country, followed by descending order of the Numbers of orders (Use Customer Names and Country Names)

SELECT c.customerID, c.CustomerName, c.Country, COALESCE(c\_n.N\_Orders,0) as N\_Orders FROM Customers as c

left Join (SELECT CustomerID, COUNT(DISTINCT(OrderID)) as N\_Orders FROM Orders GROUP BY CustomerID) as c\_n

on c.CustomerID = c\_n.CustomerID

ORDER BY Country, c\_n.N\_Orders DESC

# 24. Write a SQL query to fetch the top shippers for all the countries by number of unique orders delivered, sorted by ascending order of Country, followed by descending order of the Numbers of orders. (Use Shipper Names and Country Names)

select ship\_od.ShipperName, C.Country, Count(OrderID) as N\_Orders from Customers as Cleft join (Select ship.ShipperName, od.\* from Shippers as ship left join Orders as od on od.ShipperID = ship.ShipperID) as ship\_odon ship\_od.CustomerID = C.CustomerIDgroup by ShipperName, Countryhaving N\_Orders > 0order by Country, N\_Orders Desc

SELECT s.ShipperName, c.Country, count(o.OrderID) as ShippedNumber FROM Shippers as sLEFT JOIN Orders as o ON s.ShipperID = o.ShipperIDLEFT JOIN Customers as c ON o.CustomerID = c.CustomerIDGroup By 1, 2Order by 2, 3 desc;

# 25. Write a SQL query to fetch the top customers for all the countries by money spent, sorted by ascending order of Country, followed by descending order of the money spent by each customer (Use Customer Names and Country Names)

select \*from Orders as Oleft join ( select or\_d.OrderID, sum((or\_d.Quantity\*p.Price)) as OrderValue from Products as p right join OrderDetails as or\_d on p.ProductID = or\_d.ProductID group by OrderID) as ord\_valon O.OrderID = ord\_val.OrderID

select C.Country, C.CustomerName, c\_val.CustOrderValue from Customers as Cleft join( select CustomerID, sum(OrderValue) as CustOrderValue from Orders as O left join ( select or\_d.OrderID, sum((or\_d.Quantity\*p.Price)) as OrderValue from Products as p right join OrderDetails as or\_d on p.ProductID = or\_d.ProductID group by OrderID) as ord\_val on O.OrderID = ord\_val.OrderID group by CustomerID) as c\_valon C.CustomerID = c\_val.CustomerIDorder by Country, CustOrderValue Desc

26. Write a SQL query to fetch the top products in all the countries by revenue generated, sorted by ascending order of Country, followed by descending order of the revenue generated. (Use Product Names and Country Names)

select C.Country, OPVal.ProductName, sum(OPVal.OrderValue) as ProdRevenuefrom Customers as Cleft Join (select O.\*, PVal.ProductName, PVal.OrderValue from Orders as O left join ( select or\_d.OrderID, p.ProductName, sum((or\_d.Quantity\*p.Price)) as OrderValue from OrderDetails as or\_d left join Products as p on p.ProductID = or\_d.ProductID group by OrderID, ProductName) as PVal on O.OrderID = PVal.OrderID) as OPValon C.CustomerID = OPVal.CustomerIDgroup by Country, ProductNameorder by Country, ProdRevenue Desc

28. Write a SQL query to rank the top customers by the decreasing order of revenue generated (Use Customer Names)