LAB 5

a. select CustomerName, SUM(Quantity*orderdetails.UnitPrice) from customers left join orders using (CustomerID) left join orderdetails using (OrderID) group by CustomerName;

b. select Country, SUM(Quantity*orderdetails.UnitPrice) from customers left join orders using (CustomerID) left join orderdetails using (OrderID) group by Country;

c. select CategoryID, SUM(Quantity*orderdetails.UnitPrice) from customers left join orders using (CustomerID) left join orderdetails using (OrderID) join products using (ProductID) group by CategoryID;

d. select CustomerName, SUM(Quantity*orderdetails.UnitPrice) from customers left join orders using (CustomerID) left join orderdetails using (OrderID) group by CustomerName order by SUM(Quantity*orderdetails.UnitPrice) desc limit 1;

e. select Country, AVG(Quantity*orderdetails.UnitPrice) from customers left join orders using (CustomerID) left join orderdetails using (OrderID) group by Country order by AVG(Quantity*orderdetails.UnitPrice) desc limit 1;

f. select CategoryID, MAX(UnitPrice) from products group by CategoryID order by MAX(UnitPrice) desc limit 1;

g. select ProductID, Count(Quantity) from customers left join orders using (CustomerID) left join orderdetails using (OrderID) join products using (ProductID) group by ProductID;

h. select CustomerName, ProductID, Count(Quantity) from customers left join orders using (CustomerID) left join orderdetails using (OrderID) join products using (ProductID) group by ProductID, CustomerName;

i. select ShipCity,CustomerName, SUM(Quantity*orderdetails.UnitPrice) from customers left join orders using (CustomerID) left join orderdetails using (OrderID) group by ShipCity,CustomerName having ShipCity="Xiji";

j. select CustomerName, count(CategoryID) from customers left join orders using (CustomerID) left join orderdetails using (OrderID) join products using (ProductID) group by CustomerName having count(CategoryID)>1;

k. select CustomerName,CategoryID, count(CategoryID) from customers left join orders using (CustomerID) left join orderdetails using (OrderID) join products using (ProductID) group by CustomerName,CategoryID having CategoryID=3028;

l.   select products.ProductID,Country, count(CategoryID) from customers left join orders using (CustomerID) left join orderdetails using (OrderID) join products using (ProductID) group by products.ProductID,Country having Country="China";

m. select CustomerName, count(products.ProductID) from customers left join orders using (CustomerID) left join orderdetails using (OrderID) join products using (ProductID) group by CustomerName order by count(products.ProductID) desc limit 1;

n.   select CustomerName, max(products.UnitPrice) from customers left join orders using (CustomerID) left join orderdetails using (OrderID) join products using (ProductID) group by CustomerName order by max(UnitPrice) limit 1 offset 4;