Workshop 5

Northwind Database

--display product name along with their supplier name

select p.ProductNmae, s.CompanyName from products as p

left join Suppliers as S

on p. SupplierID = s.SupplierID

--display the product names and the category which the products fall under. Also display the supplier name

select p.ProductNmae, c.CategoryName, s.CompanyName from products as p

left join Categories c

on p.CategoryID = c.CategoryID

left join Suppliers as s

on p.SupplierID = s.SupplierID

--display the Orderid, contact name & no.of products purchased by the customer

select o.orderid, c.contactname , count(products) as Total\_Products from

(select o.OrderID as Order\_ID, c.ContactName as Contact\_Name,od.productID as Products from Customers as C

left join Orders as O

on c.customerID = O.CustomerID

left join Order\_Details as od

on o.orderid = od.orderid)

as a

group by Order\_ID, Contact\_Name

--display orderid, contact name, & shipping name having brazil as the ship country

select o.orderid, c.ContactName, s.CompanyName as Shipper\_Name

from Orders as O

left join Customers as C

on o.CustomerId = c.CustomerID

left join Shippers as S

on ShipVia = s. ShipperID

where o.ShipCountry = 'Brazil'

-- Display the orderid,contact name along with the employee name who handled that sale. Also display the total amount of particular order

select o.orderid, c.contactname, concat(e.firstname,' ',e.lastname) as Employee\_Name,

cast(a.Total\_Amount as decimal (10,2) as Total\_Amount) from Orders as O

left join Customers as C

on O.CustomerID = C.CustomerID

left join Employees as E

on O.EmployeeID = e.EmployeeID

left join (

select orderid, sum((unitprice\*(1-discount))\*quantity) as Total\_Amount

from Order\_Details group by OrderID as a

on o.orderid = a.orderid

--6. Display the product names dt were sold by sales manager

select distinct (productname) as Product\_Name from Products as p

left join Order\_Details as od

on p.product\_id = od.product\_id

left join orders as o

on od.OrderID = o.OrderID

left join Employees as E

on O.Employeeid = E.Employeeid

where e.Title = 'Sales Manager'

--7.fetch all d columns frm suppliers vth d corresponding product id and product name. if d region is null concatenate

-- the first letters of country and city should be in upper case

select p.ProductID, p.ProductName, s.SupplierID, s.CompanyName,s.ContactName, s.ContactTitle, s.Address, s.City

case

when s.region is null then

upper(concat(substring (s.country,1,1),substring(s.city,1,1)))

else s.Region end as Region,

s.PostalCode,s.Country,s.Phone,s.Fax,s.HomePage from Products as P

--Display the company name, contact name,city aloong with the unit price from products. Fetch all the records from suppliers. handle the null values

select s.CompanyName, s.ContactName , s.City, p.ProductName, p.UnitPrice, s.Address,

case

when s.Region is null then

Upper(Concat(Substring(s,Country,1,1),Substring(s.City,1,1)))

else s.Region end as Region, s.PostalCode, s.Country, s.Phone,

case

when s.Fax is null then s.Phone

else s.Fax end as Fax

case

when s.HomePage is null then 'No HomePage/No Website'

else s.Homepage end as Homepage

from Suppliers as s

left join products as p

on s,SupplierID = p.SupplierID

--9) select customerid, shipname, ship city, territory description, unit price and discount where in territory id should not

--exceed 4 characters & the ship via should be 1 or 2. if the discount is 0 then replace it with 6% unit price.

select distinct \* from (

select c.CustomerID, o.ShipName, o.ShipCity, t.TerritoryDescription, od.UnitPrice

case

when od.Discount = 0 then 0.06

else od.Discount

end as Discount,

Substring (et.TerritoryID,1,4)as [Territory\_ID]

from Orders as o

inner join Customers c on o.CustomerID = c.CustomerID

join Employees e on o.EmployeeID = e.EmployeeID

join Order\_Details as od on o.Orderid = od.Orderid

join EmployeeTerritories et on e.EmployeeID = et.EmployeeID

join Territories as t on et.TerritoryID = T.TerritoryID

where o.ShipVia = 1 or o.ShipVia = 2) as a

--10)

select o.OrderID, o.CustomerID, od.UnitPrice, od.Quantity

from Orders as o

left join Order\_details as od

on o.OrderID = od.OrderID

where od.Discount >0

11)

select ca.CategoryID, ca.CategoryID, concat(

substring(ca.Description, 1,Charindex(',',ca.Description)),' ',

substring(ca.Description, charindex(',', ca.Description)+1, charindex(',',ca.Description))) as Descriptions

from Categories ca

join Products P

on ca.CategoryID = p.CategoryID

--12)

select upper(concat (substring (contactname,1,1),substring(Contactname,

charindex(' ', contactname)+1,1)

)) as Short\_Name from suppliers