

--Exercise Userview 1

--•Create a View Customer1998 containing Customer IDs and names, Product IDs and names for customers who have made orders on the year 1998. ↗

create view Customer1998 as

select c.customerid,c.companyname,od.productid,p.productname

from customers c, [order details] od,orders o,products p

where c.CustomerID=o.CustomerID and o.orderid=od.OrderID and ↗

od.ProductID=p.ProductID

and year(o.OrderDate)=1998

group by c.customerid,c.companyname,p.productid,p.productname,o.orderdate

select * from Customer1998

--Exercise Userview 2

--•Using the View Customer1998, retrieve the Customer name, Product name and supplier names for the Customers who have made orders on the year 1998 according to Customer Name. ↗

select c.companyname,c.productname,p.SupplierID

from Customer1998 c,products p,suppliers s

where c.productid=p.ProductID and p.supplierid=s.supplierid

group by c.companyname,c.productname,p.SupplierID

-- Exercise Userview 3

--•Retrieve the Customer name and the number of DISTINCT products ordered by them in the year 1998. ↗

select companyname,count(distinct productid) as 'no.of products ordered'

from Customer1998

group by companyname

--Exercise Userview 4

--a)Create an Userview to represent total business made by each customer. The userview includes two columns: ↗

---The sum of product's unit price multiplied by quantity ordered by the customer

---Customer id

create view totalbusiness as

select sum(od.unitprice*od.quantity) as totalprice,o.customerid

from [Order Details] od,orders o

where od.OrderID=o.Orderid

group by o.CustomerID

select * from totalbusiness

--b)Using the userviewcreated, retrieve the Average Amount of business that a northwindcustomer provides. The Average Business is total amount for each customer divided by the number of customer. ↗

select sum(tb.totalprice)/count(distinct CustomerID)

from totalbusiness tb

--Exercise Userview 5

--a)Create an Userview to represent employee details with employee id, last name and title ↗

create view employeedetails as

select employeeid, lastname,title

from Employees

group by employeeid,lastname,title

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drop view employeeetails
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select * from employeeetails
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