-- sql select - part I

-- # 1

select \*

from Orders

-- # 2

select \*

from Orders

where ShipCountry in ('Germany', 'Mexico', 'Brazil')

select \*

from Orders

where ShipCountry='Germany' or ShipCountry='Mexico' or ShipCountry='Brazil'

-- # 3

select distinct ShipCity

from Orders

where ShipCountry='Germany'

-- # 4

select \*

from Orders

where year(OrderDate)=1996 and month(OrderDate)=7

select \*

from Orders

where OrderDate>='1996-07-01' and OrderDate<'1996-08-01'

-- # 5

select distinct upper(substring(CompanyName,1,10)) as company\_code

from Customers

-- # 6

select o.\*

from Orders as o

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

where c.Country='France'

-- # 7

select distinct o.ShipCountry

from Orders as o

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

where c.Country='Germany'

-- # 8

select o.\*

from Orders as o

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

where o.ShipCountry != c.Country

-- # 9

select distinct CustomerID

from Customers

where CustomerID not in(

select distinct CustomerID

from Orders

)

select \*

from Customers as c

where not exists(

select \*

from Orders as o

where o.CustomerID=c.CustomerID

)

-- # 10

select distinct c.CustomerID

from Customers as c

where c.CustomerID not in(

select distinct o.CustomerID

from Orders o

join [Order Details] as od on o.OrderID=od.OrderID

join Products as p on od.ProductID=p.ProductID

where p.ProductName='Chocolade'

)

select \*

from customers as c

where not exists(

select \*

from orders as o

where o.customerid=c.customerid and exists(

select \*

from [order details] as od

join products as p on p.productid=od.productid

where od.orderid=o.orderid and p.productname='Chocolade'

)

)

-- # 11

select distinct o.customerid

from orders as o

join [order details] as od on o.orderid=od.orderid

join products as p on p.productid=od.productid

where p.productname='Scottish Longbreads'

select \*

from customers as c

where exists(

select \*

from orders as o

join [order details] as od on o.orderid=od.orderid

join products as p on p.productid=od.productid

where p.productname='Scottish Longbreads' and o.customerid=c.customerid

)

-- # 12

select \*

from orders as o

where exists(

select \*

from [order details] as od

join products as p on p.productid=od.productid

where p.productname='Scottish Longbreads' and od.orderid=o.orderid

) and not exists(

select \*

from [order details] as od

join products as p on p.productid=od.productid

where p.productname='Chocolade' and od.orderid=o.orderid

)

-- # 13

select distinct e.firstname as name, e.lastname as surname

from employees as e

join orders as o on e.employeeid=o.employeeid

where o.customerid='ALFKI'

select e.firstname as name, e.lastname as surname

from employees as e

where exists(

select \*

from orders o

where o.customerid='ALFKI' and o.employeeid=e.employeeid

)

-- # 14

select e.firstname, e.lastname, c.companyname, o.orderdate,

(case when od.orderid is null then 0 else 1 end) as statusczekolady

from employees as e

left join orders as o on e.employeeid=o.employeeid

left join customers as c on c.customerid=o.customerid

left join [order details] as od on o.orderid=od.orderid and od.productid in(

select productid

from products

where productname='Chocolade'

)

-- # 15

select e.firstname, e.lastname, c.companyname, o.orderdate,

(case when od.orderid is null then 0 else 1 end) as statusczekolady

from customers as c

left join orders as o on c.customerid=o.customerid

left join employees as e on e.employeeid=o.employeeid

left join [order details] as od on o.orderid=od.orderid and od.productid in(

select productid

from products

where productname='Chocolade'

)