1. **Customers located.**

Select Country,

count(Country)

From Customers

Group by Country

Order by count(Country) desc

limit 10;

2(i). Companies supply the majority of the products I sell.

Select a.ProductID,

b.ProductName,

sum(a.UnitPrice*a.Quantity *(1-a.Discount)) as sales

From OrderDetails as a,

Products as b on a.ProductID = b.ProductID

Group by a.ProductID

Order by sales desc

limit 10;

2(ii).

drop view if exists peak10;

create view peak10 as

Select a.ProductID,

b.ProductName,

c.CompanyName,

sum(a.UnitPrice*a.Quantity *(1-a.Discount)) as sales

From OrderDetails as a,

Products as b,

Suppliers as c on a.ProductID = b.ProductID

and b.SupplierID = c.SupplierID

Group by a.ProductID

Order by sales desc

limit 10;

Select a.SupplierID,

    b.CompanyName,

    sum (b.sales)

From Suppliers as a,

   peak10 as b on a.CompanyName = b.companyName

Group by b.companyName

Order by sum (b.sales) desc;

2(iii).

Use subquery and join

Select a.SupplierID,

    b.CompanyName,

    sum(subq.sales)

From

 (select ProductID,

    sum(UnitPrice*Quantity *(1-Discount)) as sales

  from OrderDetails

  group by ProductID

  order by sales desc

  limit 10) as subq

join Products as a

join Suppliers as b on subq.ProductID = a.ProductID

and a.SupplierID = b.SupplierID

group by b.companyName

order by sum (subq.sales) desc;

3. Highest performing employees

```
Select a.EmployeeID,
    a.LastName,
    sum(c.UnitPrice*c.Quantity *(1-c.Discount)) as sales
From Employees as a,
    Orders as b,
    OrderDetails as c on a.EmployeeID = b.EmployeeID
and b.OrderId = c.OrderID
group by a.EmployeeID
order by sales desc
limit 10;
```

4. Products growing in terms of sales

```
Drop view if exists seasons;
Create view seasons as
Select a.ProductID,
    ((strftime('%Y',b.OrderDate)-2014)*4 + (strftime('%m',b.OrderDate)+2)/3) as quarter,
    (a.UnitPrice*a.Quantity *(1-a.Discount)) as sales
From OrderDetails as a,
    Orders as b on a.OrderID = b.OrderId ;


Select a.ProductID,
    a.ProductName,
    b.quarter,
    sum (b.sales)
From peak10 as a,
    seasons as b on a.ProductID = b.ProductID
Group by a.ProductID,
    b.quarter
Order by a.ProductID,
    b.quarter;
```