QUERIES

Top 3 products :

use OnlineShopping

Select Name, Product.ProductName, OrderedQuantity
From Product

inner join (
Select Vendor.Name, ProductID, OrderedQuantity
From Vendor

inner join (
Select vendorID, ProductID, OrderedQuantity
From VendorProduct

inner join (
Select TOP 3 OrderedProduct.VendorProductID, sum(Quantity) as OrderedQuantity
From OrderedProduct Group By VendorProductID Order By orderedquantity
Desc) vpfk on vpfk.VendorProductID = VendorProduct.VendorProductID)
vpid on vpid.VendorID = vendor.VendorID)
vpvp on vpvp.ProductID = Product.ProductID

Top 3 Vendors with worst rating :

use OnlineShopping

select TOP 3 Name,Contact,Email,Total_bad_ratings
from Vendor
inner join(
select VendorID,COUNT(rating) as Total_bad_ratings
from VendorProduct
inner join(
select Rating,Comment,OrderedProduct.VendorProductID
from OrderedProduct
inner join(
select Rating,Comment,OrderedProductID
from Review
where Rating<3) r on r.OrderedProductID=OrderedProduct.OrderedProductID)

vr on vr.VendorProductID=VendorProduct.VendorProductID group by VendorID)
vrt on vrt.VendorID=Vendor.VendorID

Order by Total_bad_ratings desc

Total amount of purchase done by customer :

```
use OnlineShopping
select SUM(Price*Qty)as Total_Purchase
from(
select VendorProduct.Price as price,Qty
from VendorProduct
inner join(
select Quantity as Qty,VendorProductID
from OrderedProduct
inner join(
select OrderID
from Orders
where CustomerID='60') op on op.OrderID=OrderedProduct.OrderedProductID)
pp on pp.VendorProductID=VendorProduct.VendorProductID) as ta
```

Total sale done by a vendor between given date range :

```
use OnlineShopping


select sum(Price) as "Total Sale"
from VendorProduct
inner join(
select VendorProductID
from OrderedProduct
inner join(
select OrderID as oid
from Orders
where OrderDate Between '2013-07-26' And '2014-02-21') ordi on ordi.oid=OrderedProduct.
on vpid.VendorProductID=VendorProduct.VendorProductID
where VendorID='3'
```

Vendors with products having rating 5 :

```
use OnlineShopping;

Select Name as VendorName, ProductName, Rating
From Vendor

    inner join (
        Select ProductName, VendorID, Rating
        From Product
```

```
inner join (
    Select ProductID, VendorID, Rating
    From VendorProduct

        inner join (
            Select VendorProductID, Rating
            From OrderedProduct

                inner join (
                    Select OrderedProductID, Rating
                    From Review Where Rating = 5
                        ) opid on opid.OrderedProductID = OrderedProd-
uct.OrderedProductID

        ) vpid on vpid.VendorProductID = VendorProduct.VendorProductID

    ) pid on pid.ProductID = Product.ProductID

) vid on vid.VendorID = Vendor.VendorID

Order By VendorName, ProductName
```