QUERIES

Categories available at a particular vendor for selling :

use OnlineShopping

select CategoryName from Category
where CategoryID in
                (select Distinct CategoryID from Product
                where ProductID in
                                (select ProductID
                                from VendorProduct
                                where VendorID='3'))

Category with highest selling product :

use OnlineShopping;

Select VendorName, ProductName, OrderedQuantity, Category.CategoryName
From Category

    inner join (
    Select VendorName, Product.ProductName, OrderedQuantity, CategoryID
    From Product

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

            inner join (
            Select vendorID, ProductID, OrderedQuantity
            From VendorProduct

                inner join (
                  Select TOP 1 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

) pc on pc.CategoryID = Category.CategoryID

Customer's Cart :

use OnlineShopping

```
select Name,ProductName,Qty
from Product
inner join(
select Vendor.Name,ProductID,Qty from Vendor

inner join(
select Vendorid,Productid,Qty from VendorProduct

inner join(
select CartProduct.VendorProductID,CartProduct.Quantity as Qty from Cart-
Product

inner join(
Select CartID from Cart where CustomerID='170') cid on cid.CartID=CartProduct.CartID

) vpid on vpid.VendorProductID=VendorProduct.VendorProductID

        )vid on vid.vendorid=vendor.vendorid

)pid on pid.ProductID=product.ProductID
```

First Customer's Vendor's Product :

use OnlineShopping;

```
Select CustomerName, VendorName, ProductName
From Product

    inner join (
        Select CustomerName, Name as VendorName, ProductID
        From Vendor

            inner join (
                Select CustomerName, VendorID, ProductID
                From VendorProduct

                    inner join (
                        Select CustomerName, VendorProductID
                        From OrderedProduct

                            inner join (
Select FirstName as CustomerName, OrderID From Customer
```

inner join (
    Select CustomerID, OrderID
    From Orders
      Where OrderDate = (Select min(OrderDate)
From Orders)
) cid on cid.CustomerID = Customer.CustomerID

) opid on opid.OrderID = OrderedProduct.OrderedProductID

) vpid on vpid.VendorProductID = VendorProduct.VendorProductID

) vid on vid.VendorID = Vendor.VendorID

) pid on pid.ProductID = Product.ProductID