--This query shows the final profit on every product

select (total\_price - ["SalePrice"]) as profit From (select tbl1.[productid],tbl1.itemsize,(shipping + purchaseprice)as total\_price,tbl4.["SalePrice"] from [dbo].[DsSix\_PurchaseItem] tbl1 join [dbo].[DsSix\_product] tbl2

on tbl1.productid = tbl2.productid join [dbo].[DsSix\_Purchase] tbl3

on tbl1.purchaseid = tbl3.purchaseid join [dbo].[DsSix\_SaleItem] tbl4

on tbl1.productid = tbl4.["ProductID"]

)q order by profit desc

--query that represents overall profit by category

select q2.category, round(sum(profit),2) as revenue from

(select q.category, (total\_profit - total\_price) as profit From (select (tbl4.["SalePrice"] \* tbl4.["Quantity"]) as total\_profit, tbl1.[productid],tbl2.category,(purchaseprice \* tbl1.quantity) as total\_price,tbl4.["SalePrice"] from [dbo].[DsSix\_PurchaseItem] tbl1 join [dbo].[DsSix\_product] tbl2

on tbl1.productid = tbl2.productid join [dbo].[DsSix\_Purchase] tbl3

on tbl1.purchaseid = tbl3.purchaseid join [dbo].[DsSix\_SaleItem] tbl4

on tbl1.productid = tbl4.["ProductID"]

)q

)q2 group by category

--query that represents overall profit

select round(sum(profit),2) as revenue from (select

(Total\_profit - total\_price) as profit From (select tbl4.["Quantity"] as qn, tbl1.[productid],tbl1.itemsize,(purchaseprice \* quantity)as total\_price,(tbl4.["SalePrice"] \* tbl4.["Quantity"]) as total\_profit from [dbo].[DsSix\_PurchaseItem] tbl1 join [dbo].[DsSix\_product] tbl2

on tbl1.productid = tbl2.productid join [dbo].[DsSix\_Purchase] tbl3

on tbl1.purchaseid = tbl3.purchaseid join [dbo].[DsSix\_SaleItem] tbl4

on tbl1.productid = tbl4.["ProductID"]

)q

)q2

--query that shows # of products profit

select count(profit) from (

select (Total\_profit - total\_price) as profit From (select tbl4.["Quantity"] as qn, tbl1.[productid],tbl1.itemsize,(purchaseprice \* quantity)as total\_price,(tbl4.["SalePrice"] \* tbl4.["Quantity"]) as total\_profit from [dbo].[DsSix\_PurchaseItem] tbl1 join [dbo].[DsSix\_product] tbl2

on tbl1.productid = tbl2.productid join [dbo].[DsSix\_Purchase] tbl3

on tbl1.purchaseid = tbl3.purchaseid join [dbo].[DsSix\_SaleItem] tbl4

on tbl1.productid = tbl4.["ProductID"]

)q

)q2

where profit > 0

--overall profit by color

select q2.color, sum(profit) as revenue from (

select q.color, (total\_profit - total\_price) as profit From (select (tbl4.["Quantity"] \* tbl4.["SalePrice"]) as total\_profit, tbl1.[productid],tbl2.color,(purchaseprice \* quantity) as total\_price,tbl4.["SalePrice"] from [dbo].[DsSix\_PurchaseItem] tbl1 join [dbo].[DsSix\_product] tbl2

on tbl1.productid = tbl2.productid join [dbo].[DsSix\_Purchase] tbl3

on tbl1.purchaseid = tbl3.purchaseid join [dbo].[DsSix\_SaleItem] tbl4

on tbl1.productid = tbl4.["ProductID"]

)q

)q2 group by color

--Query comparing revenue by gender

select q2.gender, round(sum(profit),2) as profit\_3 from (

select q.gender, (total\_profit - total\_price) as profit from (select tbl2.gender, tbl1.[productid],

(purchaseprice \* quantity) as total\_price,(tbl4.["SalePrice"] \* tbl4.["Quantity"]) as total\_profit

from [dbo].[DsSix\_PurchaseItem] tbl1 join [dbo].[DsSix\_product] tbl2

on tbl1.productid = tbl2.productid join [dbo].[DsSix\_Purchase] tbl3

on tbl1.purchaseid = tbl3.purchaseid join [dbo].[DsSix\_SaleItem] tbl4

on tbl1.productid = tbl4.["ProductID"]

)q

)q2 group by gender

--Query comparing revenue by manufacture

select q2.manufacturername, round(sum(profit),2) as profit\_3

from (

select q.manufacturername, (total\_profit - total\_price) as profit

from (

select tbl5.manufacturername,

(purchaseprice \* quantity) as total\_price,(tbl4.["SalePrice"] \* tbl4.["Quantity"]) as total\_profit

from [dbo].[DsSix\_PurchaseItem] tbl1 join [dbo].[DsSix\_product] tbl2

on tbl1.productid = tbl2.productid join [dbo].[DsSix\_Purchase] tbl3

on tbl1.purchaseid = tbl3.purchaseid join [dbo].[DsSix\_SaleItem] tbl4

on tbl1.productid = tbl4.["ProductID"] join [dbo].DsSix\_Manufacturer tbl5

on tbl2.manufacturerid = tbl5.manufacturerid

)q

)q2

group by q2.manufacturername order by profit\_3 desc

--Query that shows how much was sold of every product

select productname,["ItemSize"], sum(["quantity"]) as cnt\_prods From (

select \* from

[DsSix\_SaleItem] tbl1 join [DsSix\_Sale] tbl2 on tbl1.SaleID = tbl2.["SaleID"] join [DsSix\_product] tbl3 on tbl1.["ProductID"] = tbl3.productid

)q

group by productname,["ItemSize"]

order by cnt\_prods desc