Assignment 1-1

SELECT OrderDetails_tmp.CustomerID, OrderDetails_tmp.CustomerName,
SUM(OrderDetails_tmp.Price * OrderDetails_tmp.Quantity) AS TotalCost
FROM
(
       SELECT Orders_tmp.CustomerID, Orders_tmp.CustomerName, OrderDetails.Quantity,
Products.Price
       FROM OrderDetails
       INNER JOIN
       (
              SELECT Customers.CustomerID, Customers.CustomerName, Orders.OrderID
              FROM Orders
              INNER JOIN Customers
              ON Orders.CustomerID = Customers.CustomerID
) Orders_tmp
       ON OrderDetails.OrderID = Orders_tmp.OrderID
       INNER JOIN Products
       ON OrderDetails.ProductID = Products.ProductID
) OrderDetails_tmp
GROUP BY CustomerID

Result:

Number of Records: 89

CustomerID	CustomerName	TotalCost
1	Alfreds Futterkiste	4596.20
2	Ana Trujillo Emparedados y helados	1425.15
3	Antonio Moreno Taquería	7616.15
4	Around the Horn	14264.50
5	Berglunds snabbköp	28355.75
6	Blauer See Delikatessen	3239.80
7	Blondel père et fils	22606.05
8	Bólido Comidas preparadas	5543.30

Assignment 1-2

SELECT Products_tmp.CategoryName, SUM(Quantity) as TotalQuantity, SUM(QUANTITY *
Products_tmp.Price) as TotalCost
FROM OrderDetails
INNER JOIN
(
       SELECT ProductID, Categories.CategoryName, Price
       FROM Products
       INNER JOIN Categories
       ON Products.CategoryID = Categories.CategoryID

) Products_tmp
ON OrderDetails.ProductID = Products_tmp.ProductID
GROUP BY Products_tmp.CategoryName
ORDER BY TotalQuantity DESC

Result:

Number of Records: 8

CategoryName	TotalQuantity	TotalCost
Beverages	9532	309582.25
Dairy Products	9149	269128.30
Confections	7906	190328.54
Seafood	7681	149059.53
Condiments	5298	122343.00
Grains/Cereals	4562	106848.00
Meat/Poultry	4199	190682.69
Produce	2990	111395.00

Assignment 1-3

SELECT *
FROM
(
        SELECT Products_tmp.CategoryName, SUM(Quantity) as TotalQuantity, SUM(QUANTITY
* Products_tmp.Price) as TotalCost
        FROM OrderDetails
        INNER JOIN
        (
                SELECT ProductID, Categories.CategoryName, Price
                FROM Products
                INNER JOIN Categories
                ON Products.CategoryID = Categories.CategoryID
) Products_tmp
        ON OrderDetails.ProductID = Products_tmp.ProductID
        GROUP BY CategoryName
) OrderDetails_tmp
WHERE TotalCost > 149059.53
ORDER BY TotalQuantity DESC

Result:

Number of Records: 4

CategoryName	TotalQuantity	TotalCost
Beverages	9532	309582.25
Dairy Products	9149	269128.30
Confections	7906	190328.54
Meat/Poultry	4199	190682.69