SELECT [O].[Row ID]

,[O].[Order ID]

,[O].[Order Date]

,[O].[Ship Date]

,[O].[Ship Mode]

,[O].[Customer ID]

,[O].[Customer Name]

,[O].[Segment]

,[O].[City]

,[O].[State]

,[O].[Country]

,[O].[Postal Code]

,[O].[Market]

,[O].[Region]

,[P].[Person]

,[O].[Product ID]

,[O].[Category]

,[O].[Sub-Category]

,[O].[Product Name]

,ROUND([O].[Sales], 2) AS Sales

,[O].[Quantity]

,[O].[Discount]

,ROUND([O].[Profit], 2) AS Profit

,ROUND([O].[Shipping Cost], 2) AS Shipping\_Cost

,[O].[Order Priority]

INTO Superstore.dbo.Orders\_1

FROM Superstore.dbo.Orders$ AS O

FULL JOIN Superstore.dbo.People$ AS P ON O.Region = P.Region

SELECT \*

INTO Superstore.dbo.Orders\_2

FROM Superstore.dbo.Orders\_1 AS O1

LEFT JOIN Superstore.dbo.Returns$ AS R ON O1.[Order ID] = R.Orders\_Id

WITH O3

AS (

SELECT \*

,(Sales \* Discount) AS Discount\_Amount

,Datename(weekday FROM [Order Date]) AS Dayofweek

,Datepart(month FROM [Order Date]) AS Month\_Num

,Datename(month FROM [Order Date]) AS Month

,Datepart(year FROM [Order Date]) AS Year

,DateDiff(day, [Order Date], [Ship Date]) AS Time\_to\_Ship

FROM Superstore.dbo.Orders\_2

)

SELECT \*

,(Sales - Discount\_Amount) AS Actual\_Sale

INTO Superstore.dbo.Orders\_3

FROM O3

UPDATE Superstore.dbo.Orders\_3

SET Profit = 0

WHERE Returned = 'Yes'

SELECT [Row ID]

FROM [Superstore].[dbo].[Orders\_3]

GROUP BY [Row ID]

HAVING COUNT([Row ID]) > 1

SELECT \*

FROM [Superstore].[dbo].[Orders\_3]

WHERE [Row ID] = 8102

OR [Row ID] = 36486

OR [Row ID] = 8100

OR [Row ID] = 36487

OR [Row ID] = 8101

WITH cte

AS (

SELECT [Row ID]

,[Order ID]

,[Order Date]

,[Ship Date]

,[Ship Mode]

,[Customer ID]

,[Customer Name]

,[Segment]

,[City]

,[State]

,[Country]

,[Postal Code]

,[Market]

,[Region]

,[Person]

,[Product ID]

,[Category]

,[Sub-Category]

,[Product Name]

,[Sales]

,[Quantity]

,[Discount]

,[Profit]

,[Shipping\_Cost]

,[Order Priority]

,[Returned]

,[Orders\_Id]

,[Markets]

,[Discount\_Amount]

,[Dayofweek]

,[Month\_Num]

,[Month]

,[Year]

,[Time\_to\_Ship]

,[Actual\_Sale]

,ROW\_NUMBER() OVER (

PARTITION BY [Row ID] ORDER BY [Row ID]

) row\_num

FROM [Superstore].[dbo].[Orders\_3]

)

DELETE

FROM cte

WHERE row\_num > 1

###Table Showing Sales Performance and Discounts Given By Year, Month, Day

SELECT Person

,Isnull(Person, 'Company Direct') AS PersonII

,Category

,Sum(Profit) AS TotalProfit

,SUM(Discount\_Amount) AS TotalDiscount

,Dayofweek

,Month\_Num

,Month

,Year

,Count(\*) AS NumOfSales

,CASE

WHEN Dayofweek = 'Sunday'

THEN 1

WHEN Dayofweek = 'Monday'

THEN 2

WHEN Dayofweek = 'Tuesday'

THEN 3

WHEN Dayofweek = 'Wednesday'

THEN 4

WHEN Dayofweek = 'Thursday'

THEN 5

WHEN Dayofweek = 'Friday'

THEN 6

WHEN Dayofweek = 'Saturday'

THEN 7

END AS Dayofweek\_numb

INTO Superstore.dbo.SalesmanPerformance

FROM [Superstore].[dbo].[Orders\_3]

GROUP BY Person

,Category

,Dayofweek

,Month\_Num

,Month

,Year

###Table Showing Performance By Market and Region

SELECT Market

,Region

,ROUND(Sum(Shipping\_Cost), 2) AS SpentShipping

,Sum(Quantity) AS UnitsShipped

,ROUND(Sum(Profit), 2) AS TotalProfit

,year

,month

,month\_num

INTO Superstore.dbo.Yearly\_Ship\_Prof\_Mark\_Regi

FROM [Superstore].[dbo].Orders\_3

GROUP BY Market

,region

,year

,month

,month\_num

ORDER BY TotalProfit DESC

###Table Showing Highest Grossing Products By Category, Sub-Category, and year

SELECT Category

,[Sub-Category]

,[Product Name]

,Sum(Profit) AS TotalProfit

,year

,SUM(Shipping\_Cost) AS CostOfShipping

,Sum(Quantity) AS Units\_Sold

INTO Superstore.dbo.YearlyGrossingSubCatTable

FROM [Superstore].[dbo].[Orders\_3]

GROUP BY Category

,[Sub-Category]

,[Product Name]

,year

ORDER BY TotalProfit DESC

###Table Showing Profit by Customer and Discounts Customer Received

SELECT [Customer Name]

,Market

,Category

,COUNT(\*) AS NumOfOrders

,SUM(Profit) AS TotalProfit

,SUM(Discount\_Amount) AS TotalDiscount

,year

,CASE

WHEN Discount\_Amount > 0

THEN 1

ELSE 0

END AS discountTally

INTO Superstore.dbo.DiscountsByCustomerYearMarket

FROM [Superstore].[dbo].[Orders\_3]

GROUP BY [Customer Name]

,Market

,Category

,year

,Discount\_Amount

###Table Showing Market Sales By Day of Week and Month

SELECT Market

,Category

,[Sub-Category]

,[Product Name]

,Sum(Profit) AS Profit

,Sum(Shipping\_Cost) AS SpentShipping

,Sum(Quantity) AS UnitsSold

,Dayofweek

,month

,month\_num

,year

,CASE

WHEN Dayofweek = 'Sunday'

THEN 1

WHEN Dayofweek = 'Monday'

THEN 2

WHEN Dayofweek = 'Tuesday'

THEN 3

WHEN Dayofweek = 'Wednesday'

THEN 4

WHEN Dayofweek = 'Thursday'

THEN 5

WHEN Dayofweek = 'Friday'

THEN 6

WHEN Dayofweek = 'Saturday'

THEN 7

END AS Dayofweek\_numb

INTO Superstore.dbo.MarketSalesTimeline

FROM [Superstore].[dbo].[Orders\_3]

GROUP BY Market

,Category

,[Sub-Category]

,[Product Name]

,Dayofweek

,month

,Month\_Num

,year

ORDER BY Market

,UnitsSold DESC

###Order Priority Table

SELECT Market

,Category

,[Sub-Category]

,[Order Priority]

,month

,month\_num

,Dayofweek

,year

,AVG(Time\_to\_Ship) AvgShipTime

,Count(\*) AS Orders

,Returned

,CASE

WHEN Dayofweek = 'Sunday'

THEN 1

WHEN Dayofweek = 'Monday'

THEN 2

WHEN Dayofweek = 'Tuesday'

THEN 3

WHEN Dayofweek = 'Wednesday'

THEN 4

WHEN Dayofweek = 'Thursday'

THEN 5

WHEN Dayofweek = 'Friday'

THEN 6

WHEN Dayofweek = 'Saturday'

THEN 7

END AS Dayofweek\_numb,

INTO Superstore.dbo.OrderPriorityMarketTimline

FROM Superstore.dbo.Orders\_3

GROUP BY Market

,Category

,[Sub-Category]

,[Order Priority]

,month

,month\_num

,Dayofweek

,year

,Returned

###Orders Returned Table

SELECT Market

,Category

,[Sub-Category]

,month

,month\_num

,Dayofweek

,year

,Returned

,CASE

WHEN Dayofweek = 'Sunday'

THEN 1

WHEN Dayofweek = 'Monday'

THEN 2

WHEN Dayofweek = 'Tuesday'

THEN 3

WHEN Dayofweek = 'Wednesday'

THEN 4

WHEN Dayofweek = 'Thursday'

THEN 5

WHEN Dayofweek = 'Friday'

THEN 6

WHEN Dayofweek = 'Saturday'

THEN 7

END AS Dayofweek\_numb

INTO Superstore.dbo.OrdersReturned

FROM Superstore.dbo.Orders\_3

WHERE Returned = 'Yes'

###Table Showing Customer Sale Metrics and Country Sale Metrics

SELECT [Customer Name]

,Market

,Country

,Category

,COUNT(\*) AS NumOfOrders

,SUM(Quantity) AS UnitsShipped

,Shipping\_Cost

,Profit

,Discount\_Amount

,year

,CASE

WHEN Discount\_Amount > 0

THEN 1

ELSE 0

END AS discountTally

INTO Superstore.dbo.CountryCustomerTable

FROM [Superstore].[dbo].[Orders\_3]

GROUP BY [Customer Name]

,Market

,Country

,Category

,year

,Discount\_Amount

,Quantity

,Shipping\_Cost

,Profit

,Discount