Section: 03

Student: Sheetal Singh

Challenge 1

Q1:

-- Retrieve Customer Orders

select c.[CompanyName], s.[SalesOrderID], s.[TotalDue]

from [SalesLT].[Customer] as c join [SalesLT].[SalesOrderHeader] as s on c.CustomerID = s.CustomerID;

Q2:

-- Retrieve Customer orders with addresses

select c.[CompanyName],(a.[City]+ ''+a.[StateProvince]+ ''+a.[CountryRegion]+''+ a.[PostalCode] ) AS MainOffice, s.[SalesOrderID], s.[TotalDue]

from [SalesLT].[Customer] as c join [SalesLT].[SalesOrderHeader] as s on c.CustomerID = s.CustomerID join [SalesLT].[CustomerAddress] as ca on c.CustomerID = ca.CustomerID join [SalesLT].[Address] as a on ca.AddressID = a.AddressID;

Challenge 2

Q1:

-- Retrieve a list of all customers and their orders

select c.[CompanyName], (c.[FirstName]+''+c.[LastName]) AS CONTACTS, s.[SalesOrderID],s.[TotalDue] from [SalesLT].[Customer] c

left join [SalesLT].[SalesOrderHeader] s on c.CustomerID= s.[CustomerID] order by s.[SalesOrderID] DESC ;

Q2:

-- Retrieve a list of customers with no address

select c.[CustomerID], c.[CompanyName],(c.[FirstName]+''+c.[LastName]) AS CONTACTS, c.[Phone]

from [SalesLT].[Customer] c left join [SalesLT].[CustomerAddress] ca on c.CustomerID=ca.CustomerID

where ca.[AddressID] is null;

Q3:

-- Retrieve a list of customers and products with no address

Select c.CustomerID, p.ProductID from SalesLT.Customer as c

full outer join SalesLT.SalesOrderHeader as s

on c.CustomerID = s.CustomerID

full outer join SalesLT.SalesOrderDetail as so

on s.SalesOrderID =so.SalesOrderID

full outer join SalesLT.Product as P

on p.ProductID = so.ProductID;