Section:

Student:

Challenge 1

Q1:

-- Retrieve Billing Address

select c.[CompanyName],a.[AddressLine1],a.[City], 'Billing' AS AddressType from [SalesLT].[Customer] c

join [SalesLT].[CustomerAddress] ca on c.CustomerID= ca.CustomerID join [SalesLT].[Address] a on ca.AddressID =a.AddressID and ca.AddressType='Main Office'

Q2:

-- Retrieve Shipping Address

select c.[CompanyName],a.[AddressLine1],a.[City],'Shipping' AS AddressType from [SalesLT].[Customer] c

join [SalesLT].[CustomerAddress] ca on c.CustomerID= ca.CustomerID join [SalesLT].[Address] a on ca.AddressID =a.AddressID and ca.AddressType='Shipping';

Q3:

-- Combine Billing and Shipping address

select c.[CompanyName],a.[AddressLine1],a.[City], 'Billing' AS AddressType from [SalesLT].[Customer] c

join [SalesLT].[CustomerAddress] ca on c.CustomerID= ca.CustomerID join [SalesLT].[Address] a on ca.AddressID =a.AddressID and ca.AddressType='Main Office'

UNION

select c.[CompanyName],a.[AddressLine1],a.[City],'Shipping' AS AddressType from [SalesLT].[Customer] c

join [SalesLT].[CustomerAddress] ca on c.CustomerID= ca.CustomerID join [SalesLT].[Address] a on ca.AddressID =a.AddressID and ca.AddressType='Shipping'

order by c.[CompanyName], AddressType

Challenge 2

Q1:

-- Retrieve Customers with only a main office address

select distinct c.[CompanyName] from [SalesLT].[Customer] c join [SalesLT].[CustomerAddress] ca on c.CustomerID= ca.CustomerID

join [SalesLT].[Address] a on c.CustomerID= ca.CustomerID where ca.AddressType='Main Office'

EXCEPT

select c.[CompanyName] from [SalesLT].[Customer] c

join [SalesLT].[CustomerAddress] ca on c.CustomerID= ca.CustomerID join [SalesLT].[Address] a on ca.AddressID =a.AddressID and ca.AddressType='Shipping'

Q2:

-- Retrive only customers with both a main office and a shipping address

select c.[CompanyName] from [SalesLT].[Customer] c

join [SalesLT].[CustomerAddress] ca on c.CustomerID= ca.CustomerID and ca.AddressType='Main Office'

INTERSECT

select c.[CompanyName] from [SalesLT].[Customer] c

join [SalesLT].[CustomerAddress] ca on c.CustomerID= ca.CustomerID and ca.AddressType='Shipping'