1. For each Customer (Last Name and First Name), show their Company Name what Address Type they have.

```
SELECT SalesLT.Customer.FirstName, SalesLT.Customer.LastName,
SalesLT.Customer.CompanyName, SalesLT.CustomerAddress.AddressType
FROM SalesLT.Customer
JOIN SalesLT.CustomerAddress
ON SalesLT.Customer.CustomerID = SalesLT.CustomerAddress.CustomerID;
```

2. Show Company Names for all companies whose Address Type is Shipping

```
SELECT SalesLT.Customer.FirstName, SalesLT.Customer.LastName,
SalesLT.Customer.CompanyName
FROM SalesLT.Customer
JOIN SalesLT.CustomerAddress
ON SalesLT.Customer.CustomerID = SalesLT.CustomerAddress.CustomerID
WHERE SalesLT.CustomerAddress.AddressType='Shipping';
```

3. Show all Customer Last Names and how many address types they have.

```
SELECT SalesLT.Customer.LastName, SalesLT.Customer.CompanyName,
SalesLT.CustomerAddress.AddressType
FROM SalesLT.Customer
JOIN SalesLT.CustomerAddress
ON SalesLT.Customer.CustomerID = SalesLT.CustomerAddress.CustomerID
ORDER BY SalesLT.Customer.LastName ASC;
```

4. Show all Customer Last Names and who have at least 2 Address Types.

```
SELECT SalesLT.Customer.LastName
FROM SalesLT.Customer
JOIN SalesLT.CustomerAddress
ON SalesLT.Customer.CustomerID=SalesLT.CustomerAddress.CustomerID
GROUP BY SalesLT.Customer.LastName
HAVING COUNT(SalesLT.CustomerAddress.AddressType) >= 2;
```

5. Show all Customer Last Names that start with the letters A through H and who have at least 2 Address Types.

```
SELECT SalesLT.Customer.LastName
FROM SalesLT.Customer
JOIN SalesLT.CustomerAddress
ON SalesLT.Customer.CustomerID=SalesLT.CustomerAddress.CustomerID
WHERE SalesLT.Customer.LastName LIKE '[ABCDEFGH]%'
GROUP BY SalesLT.Customer.LastName
HAVING COUNT(SalesLT.CustomerAddress.AddressType) >= 2;
```

6. For each Customer (Last Name and First Name), show their Address (including City, State, Zip)

```
SELECT SalesLT.Customer.LastName,SalesLT.Customer.FirstName,
SalesLT.Address.City, SalesLT.Address.PostalCode,
SalesLT.Address.StateProvince
FROM SalesLT.CustomerAddress
JOIN SalesLT.Customer
ON SalesLT.Customer.CustomerID=SalesLT.CustomerAddress.CustomerID
JOIN SalesLT.Address
ON SalesLT.Address.AddressID= SalesLT.CustomerAddress.AddressID
ORDER BY SalesLT.Customer.LastName ASC ;
```

7. For each Customer (Last Name and First Name), show their Address (including City, State, Zip) only if their Second Address Line has a value.

```
SELECT SalesLT.Customer.LastName,SalesLT.Customer.FirstName,
SalesLT.Address.City, SalesLT.Address.PostalCode,
SalesLT.Address.StateProvince
FROM SalesLT.CustomerAddress
JOIN SalesLT.Customer
ON SalesLT.Customer.CustomerID=SalesLT.CustomerAddress.CustomerID
JOIN SalesLT.Address
ON SalesLT.Address.AddressID= SalesLT.CustomerAddress.AddressID
WHERE SalesLT.Address.AddressLine2 IS NOT NULL
ORDER BY SalesLT.Customer.LastName ASC ;
```

8. Show all Company Names who have at least 2 Address Types and the addresses are in Texas, Colorado, or Washington.

```
SELECT SalesLT.Customer.CompanyName
FROM SalesLT.Customer
JOIN SalesLT.CustomerAddress
ON SalesLT.Customer.CustomerID=SalesLT.CustomerAddress.CustomerID
JOIN SalesLT.Address
ON SalesLT.Address.AddressID= SalesLT.CustomerAddress.AddressID
WHERE SalesLT.Address.StateProvince IN ('Texas','Colorado','Washington')
GROUP BY SalesLT.Customer.CompanyName
HAVING COUNT(SalesLT.CustomerAddress.AddressType) >= 2;
```

9. For each Sales Order, show the Customer (Last Name and First Name) and the Total Due.

```
SELECT s.SalesOrderID,c.FirstName,c.LastName, s.TotalDue
FROM SalesLT.Customer c
JOIN SalesLT.SalesOrderHeader s
ON c.CustomerID = s.CustomerID;
```

10. Show the Total Spent/Due (same thing) on each Product Name.

```
SELECT p.Name AS ProductName, s.LineTotal AS TotalSpent, a.TotalDue
FROM SalesLT.SalesOrderDetail s
JOIN SalesLT.SalesOrderHeader a
```

```
ON a.SalesOrderID=s.SalesOrderID
JOIN SalesLT.Product p
ON p.ProductID= s.ProductID;
```

11. Show the Total Spent/Due on each Product Name only for those Products whose Name starts with ‘Mount’.

```
SELECT p.Name AS ProductName, s.LineTotal AS TotalSpent, a.TotalDue
FROM SalesLT.SalesOrderDetail s
JOIN SalesLT.SalesOrderHeader a
ON a.SalesOrderID=s.SalesOrderID
JOIN SalesLT.Product p
ON p.ProductID= s.ProductID
WHERE p.Name LIKE 'Mount%';
```

12. Show the Total Spent/Due on each Product Name only for those Products whose Color was Black or Blue.

```
SELECT p.Name AS ProductName, s.LineTotal AS TotalSpent, a.TotalDue
FROM SalesLT.SalesOrderDetail s
JOIN SalesLT.SalesOrderHeader a
ON a.SalesOrderID=s.SalesOrderID
JOIN SalesLT.Product p
ON p.ProductID= s.ProductID
WHERE p.Color IN ('Black', 'Blue');
```

13. For each Sales Order, show the Customer (Last Name and First Name) and the Total Spent/Due WHEN more than 25 different Products were purchased on a Sales Order.

```
SELECT c.FirstName, c.LastName, s.TotalDue,d.LineTotal AS TotalSpent
FROM SalesLT.SalesOrderHeader s
JOIN SalesLT.Customer c
ON c.CustomerID = s.CustomerID
JOIN (SELECT d.SalesOrderID
      FROM SalesLT.SalesOrderDetail d
      GROUP BY d.SalesOrderID
      HAVING COUNT(d.SalesOrderID) > 25) sub
ON sub.SalesOrderID= s.SalesOrderID
JOIN SalesLT.SalesOrderDetail d
ON s.SalesOrderID= d.SalesOrderID;
```

14. Show the Total Spent/Due on each Product Name only for those Products whose Name has ‘Mount’ somewhere in it AND whose color was Yellow or Black.

```
SELECT p.Name AS ProductName, s.LineTotal AS TotalSpent, a.TotalDue
FROM SalesLT.SalesOrderDetail s
JOIN SalesLT.SalesOrderHeader a
ON a.SalesOrderID=s.SalesOrderID
JOIN SalesLT.Product p
ON p.ProductID= s.ProductID
```

```
WHERE p.Name LIKE '%Mount%' AND p.Color IN ('Yellow','Black');
```

15. Show the Customer (Last Name and First Name) and Product Names they bought where the Product Color was Red.

```
SELECT c.FirstName,c.LastName, p.Name AS ProductName
FROM SalesLT.SalesOrderDetail s
JOIN SalesLT.SalesOrderHeader a
ON a.SalesOrderID=s.SalesOrderID
JOIN SalesLT.Product p
ON p.ProductID= s.ProductID
JOIN SalesLT.Customer c
ON c.CustomerID = a.CustomerID
WHERE p.Color = 'Red';
```