**Day-10 (Assignment-1)**

# **Q1) Craft a query using an INNER JOIN to combine 'orders' and 'customers' tables for customers in a specified region, and a LEFT JOIN to display all customers including those without orders.**

**Create Schema:**

* **Customers Table:**

**CREATE TABLE Customers (**

**CustomerID INT PRIMARY KEY,**

**FirstName VARCHAR(50),**

**LastName VARCHAR(50),**

**Email VARCHAR(100),**

**Phone VARCHAR(20),**

**Region VARCHAR(50)**

**);**

* **Orders Table:**

**CREATE TABLE Orders (**

**OrderID INT PRIMARY KEY,**

**CustomerID INT,**

**OrderAmount DECIMAL(10, 2),**

**OrderDate DATE,**

**FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID)**

**);**

**Craft a query using an INNER JOIN to combine 'orders' and 'customers' tables for customers in a specified region**

* **SELECT**

**Customers.CustomerID,**

**Customers.FirstName,**

**Customers.LastName,**

**Orders.OrderID,**

**Orders.OrderAmount,**

**Orders.OrderDate**

* **FROM**

**Customers**

**INNER JOIN**

**Orders ON Customers.CustomerID = Orders.CustomerID**

**WHERE**

**Customers.Region = 'North';**

**LEFT JOIN to display all customers including those without orders.**

**===========================================================**

**SELECT**

**Customers.CustomerID,**

**Customers.FirstName,**

**Customers.LastName,**

**Orders.OrderID,**

**Orders.OrderAmount,**

**Orders.OrderDate**

**FROM**

**Customers**

**LEFT JOIN**

**Orders ON Customers.CustomerID = Orders.CustomerID;**