**SQL Joins (Inner, Left, Right, Full)**

Step1: create customer ,order table and insert data:

Command**: CREATE TABLE Customer (**

**customer\_id INT PRIMARY KEY,**

**customer\_name VARCHAR(100)**

**);**

**CREATE TABLE Orders (**

**order\_id INT PRIMARY KEY,**

**customer\_id INT,**

**product VARCHAR(100),**

**FOREIGN KEY (customer\_id) REFERENCES Customers(customer\_id)**

**);**

Step2: insert data:

Command: **INSERT INTO Customers VALUES**

**(1, 'Alice'),**

**(2, 'Bob'),**

**(3, 'Charlie'),**

**(4, 'Diana');**

**INSERT INTO Orders VALUES**

**(101, 1, 'Laptop'),**

**(102, 1, 'Mouse'),**

**(103, 2, 'Keyboard'),**

**(104, 5, 'Monitor'**

Step3: perform join condition:

Command:

**Inner join: SELECT c.customer\_name, o.product**

**FROM Customers c**

**INNER JOIN Orders o ON c.customer\_id = o.customer\_id;**

**Left join:** **SELECT c.customer\_name, o.product**

**FROM Customers c**

**LEFT JOIN Orders o ON c.customer\_id = o.customer\_id;**

**Right join: SELECT c.customer\_name, o.product**

**FROM Customers c**

**RIGHT JOIN Orders o ON c.customer\_id = o.customer\_id;**

**Outer join: SELECT c.customer\_name, o.product**

**FROM Customers c**

**FULL OUTER JOIN Orders o ON c.customer\_id = o.customer\_id;**