CREATE TABLE Cust\_Master (

Cust\_no INT PRIMARY KEY,

Cust\_name VARCHAR(50),

Cust\_addr VARCHAR(100)

);

CREATE TABLE Order (

Order\_no INT PRIMARY KEY,

Cust\_no INT,

Order\_date DATE,

Qty\_Ordered INT,

FOREIGN KEY (Cust\_no) REFERENCES Cust\_Master(Cust\_no)

);

CREATE TABLE Product (

Product\_no INT PRIMARY KEY,

Product\_name VARCHAR(50),

Order\_no INT,

FOREIGN KEY (Order\_no) REFERENCES Order(Order\_no)

);

-- 1. List names of customers with 'A' as second letter in their name.

SELECT Cust\_name FROM Cust\_Master WHERE Cust\_name LIKE '\_A%';

-- 2. Display orders for Customer no C1002, C1005, C1007, C1008.

SELECT \* FROM Order WHERE Cust\_no IN (1002, 1005, 1007, 1008);

-- 3. List clients in 'Bangalore' or 'Mangalore'.

SELECT Cust\_name FROM Cust\_Master WHERE Cust\_addr IN ('Bangalore', 'Mangalore');

-- 4. Display customer names and products they purchased.

SELECT cm.Cust\_name, p.Product\_name

FROM Cust\_Master cm

JOIN Order o ON cm.Cust\_no = o.Cust\_no

JOIN Product p ON o.Order\_no = p.Order\_no;

-- 5. Create view View1 with Cust\_name, Product\_name.

CREATE VIEW View1 AS

SELECT cm.Cust\_name, p.Product\_name

FROM Cust\_Master cm

JOIN Order o ON cm.Cust\_no = o.Cust\_no

JOIN Product p ON o.Order\_no = p.Order\_no;

-- 6. Display product\_name and quantity purchased by each customer.

SELECT cm.Cust\_name, p.Product\_name, o.Qty\_Ordered

FROM Cust\_Master cm

JOIN Order o ON cm.Cust\_no = o.Cust\_no

JOIN Product p ON o.Order\_no = p.Order\_no;

-- 7. Perform different join operations (Inner, Left, Right).

-- Example: Inner Join

SELECT cm.Cust\_name, p.Product\_name

FROM Cust\_Master cm

JOIN Order o ON cm.Cust\_no = o.Cust\_no

JOIN Product p ON o.Order\_no = p.Order\_no;