**Table-1**

CREATE TABLE SalesPerson (

Sno INT PRIMARY KEY,

Sname VARCHAR(50),

City VARCHAR(50),

Comm DECIMAL(3, 2)

);

INSERT INTO SalesPerson (Sno, Sname, City, Comm) VALUES

(1001, 'PEEL', 'LONDON', 0.12),

(1002, 'SERRES', 'SAN JOSE', 0.13),

(1003, 'AXELROD', 'NEW YORK', 0.10),

(1004, 'MOTIKA', 'LONDON', 0.11),

(1007, 'RAFKIN', 'BARCELONA', 0.15);

**Table-2**

CREATE TABLE Customer (

Cnm INT PRIMARY KEY,

Cname VARCHAR(50),

City VARCHAR(50),

Rating INT,

Sno INT,

FOREIGN KEY (Sno) REFERENCES SalesPerson(Sno)

);

INSERT INTO Customer (Cnm, Cname, City, Rating, Sno) VALUES

(201, 'HOFFMAN', 'LONDON', 100, 1001),

(202, 'GIOVANNE', 'ROME', 200, 1003),

(203, 'LIU', 'SAN JOSE', 300, 1002),

(204, 'GRASS', 'BARCELONA', 100, 1002);

**Table-3**

CREATE TABLE Orders (

Onm INT PRIMARY KEY,

Amt DECIMAL(10, 2),

Odate DATE,

Cnm INT,

Sno INT,

FOREIGN KEY (Cnm) REFERENCES Customer(Cnm),

FOREIGN KEY (Sno) REFERENCES SalesPerson(Sno)

);

INSERT INTO Orders (Onm, Amt, Odate, Cnm, Sno) VALUES

(3001, 18.69, '1994-10-03', 201, 1007), -- Customer 201 exists

(3002, 1900.1, '1994-10-03', 202, 1004), -- Changed Cnm from 207 to 202

(3003, 767.19, '1994-10-03', 201, 1001), -- Changed Cnm from 1001 to 201

(3005, 3005.0, '1994-10-04', 203, 1002), -- Customer 203 exists

(3006, 3006.0, '1994-10-04', 201, 1007), -- Customer 201 exists

(3007, 3007.0, '1994-10-04', 204, 1002), -- Customer 204 exists

(3008, 3008.0, '1994-10-05', 201, 1001), -- Changed Cnm from 206 to 201

(3009, 3009.0, '1994-10-04', 202, 1003), -- Customer 202 exists

(3010, 3010.0, '1994-10-06', 204, 1002), -- Customer 204 exists

(3011, 3011.0, '1994-10-06', 201, 1001); -- Changed Cnm from 206 to 201

**Queries:**

**a**) All orders for more than $1000.

SELECT \* FROM Orders WHERE Amt > 1000;

**B)** Names and cities of all salespeople in London with commission above 0.10.

SELECT Sname, City FROM SalesPerson WHERE City = 'LONDON' AND Comm > 0.10;

c) All salespeople either in Barcelona or in London.

SELECT \* FROM SalesPerson WHERE City IN ('BARCELONA', 'LONDON');

d) All salespeople with commission between 0.10 and 0.12. (Boundary values should

be excluded).

SELECT \* FROM SalesPerson WHERE Comm > 0.10 AND Comm < 0.12;

e) All customers with NULL values in city column.

SELECT \* FROM Customer WHERE City IS NULL;

f) All orders taken on Oct 3Rd and Oct 4th 1994.

SELECT \* FROM Orders WHERE Odate IN ('1994-10-03', '1994-10-04');

g) All customers serviced by peel or Motika.

SELECT Customer.\* FROM Customer JOIN SalesPerson ON Customer.Sno = SalesPerson.Sno WHERE SalesPerson.Sname IN ('PEEL', 'MOTIKA');

h) All customers whose names begin with a letter from A to B

SELECT \* FROM Customer WHERE Cname LIKE 'A%' OR Cname LIKE 'B%';

i) All customers excluding those with rating <= 100 unless they are located in Rome.

SELECT \* FROM Customer WHERE Rating > 100 OR City = 'ROME';

j) All orders except those with 0 or NULL value in amt field.

SELECT \* FROM Orders WHERE Amt IS NOT NULL AND Amt <> 0;

k) Count the number of salespeople currently listing orders in the order table.

SELECT COUNT(DISTINCT Sno) AS NumberOfSalespeople FROM Orders;