**Task-4**

CREATE DATABASE shop2;

USE shop2;

CREATE TABLE Salesman (

SNo INT PRIMARY KEY,

SName VARCHAR(255) NOT NULL,

City VARCHAR(255),

Commission DECIMAL(10, 2)

);

CREATE TABLE Customer (

Cnm INT PRIMARY KEY,

CName VARCHAR(255) NOT NULL,

City VARCHAR(255),

Rating INT,

SNo INT,

FOREIGN KEY (SNo) REFERENCES Salesman(SNo)

);

INSERT INTO Salesman (SNo, SName, City, Commission)

VALUES

(1001, 'Peel', 'London', 0.12),

(1002, 'Serres', 'San jose', 0.13),

(1004, 'Motika', 'London', 0.11),

(1007, 'Rafkin', 'Barcelona', 0.15),

(1003, 'Axelrod', 'New York', 0.1);

INSERT INTO Customer (Cnm, CName, City, Rating, SNo)

VALUES

(201, 'Hoffman', 'London', 100,1001),

(202, 'Giovanne', 'roe', 200,1003),

(203, 'Liu', 'San jose',300,1002),

(204, 'Grass', 'Barcelona', 100,1002),

(206, 'CLemens', 'London', 300,1007),

(207, 'Pereira', 'Roe', 100,1004);

a) All orders for more than $1000.

SELECT CName, City, Rating

FROM Customer

WHERE Rating > 1000;

b) Names and cities of all salespeople in London with commission above 0.12

SELECT SName, City

FROM Salesman

WHERE City = 'London' AND Commission > 0.12;

c) All salespeople either in Barcelona or in London

SELECT SName, City

FROM Salesman

WHERE City IN ('Barcelona', 'London');

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

should be excluded).

SELECT SName, Commission

FROM Salesman

WHERE Commission > 0.10 AND Commission < 0.12;

e) All customers excluding those with rating <= 100 unless they are located in

Rome

SELECT CName, City, Rating

FROM Customer

WHERE (Rating > 100 OR City = 'Rome') AND NOT (Rating <= 100 AND City <> 'Rome');