**TASK 2 (SQL)**

**TABLE 1-** SALES PERSON

CREATE TABLE SALESPERSON ( SNO INT(20) PRIMARY KEY, SNAME VARCHAR(50),

CITY VARCHAR(50),COMM INT(20));

**TABLE 2** -CUSTOMER

CREATE TABLE CUSTOMER

(

CNM INT(20),CNAME VARCHAR(50),CITY VARCHAR(50),RATING INT(20), SNO INT(20),

PRIMARY KEY(CNM), FOREIGN KEY (SNO)

REFERENCES SALESPERSON(SNO));

**TABLE 3 -**ORDER

CREATE TABLE ORDERS

(ONM INT(20),AMT INT(20),ODE DATE,CNM INT(20),SNO INT(20),

PRIMARY KEY(CNM), FOREIGN KEY(SNO) REFERENCES CUSTOMER(SNO));

1. All orders for more than $1000.

**Query -** select \* from orders where AMT>1000;

1. Names and cities of all salespeople in London with commission above 0.10.

**Query** - SELECT Sname, city FROM salesperson WHERE city = 'London' AND comm > 0.10;

1. All salespeople either in Barcelona or in London.

**Query** - SELECT \* FROM salesperson WHERE city = 'Barcelona' OR city = 'London';

1. All salespeople with commission between 0.10 and 0.12. (Boundary values should be excluded).

**Query** -SELECT \* FROM salesperson WHERE comm > 0.10 AND comm < 0.12;

1. All customers with NULL values in city column.

**Query** - SELECT \* FROM customer WHERE city IS NULL;

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

**Query** - SELECT \* FROM orders WHERE ODE >= '1994-10-03' AND ODE <= '1994-10-04';

1. All customers serviced by peel or Motika.

**Query** - SELECT \*FROM customer WHERE serviced\_by = 'Peel' OR serviced\_by = 'Motika';

1. All customers whose names begin with a letter from A to B

**Query** - SELECT \* FROM customer WHERE cname >= 'A' AND cname <= 'B';

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

**Query** SELECT \* FROM customer WHERE (rating > 100) OR (rating <= 100 AND CITY = 'Rome');

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

**Query**- SELECT \* FROM orders WHERE amt <> 0 AND amt IS NOT NULL;

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

**Query** - SELECT COUNT(DISTINCT CNM) AS salespeople\_count FROM orders;