**TASK-2**

[CREATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-table.html) [TABLE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/create-table.html) salesperson ( sno int AUTO\_INCREMENT PRIMARY KEY, sname varchar(255), city varchar(255), comm float );

INSERT INTO `salesperson` (`sno`, `sname`, `city`, `comm`) VALUES ('1001', 'peel', 'london', '0.12'), ('1002', 'serres', 'sanjose', '0.13'), ('1003', 'axelrod', 'newyork', '0.1'), ('1004', 'motika', 'london', '0.11'),('1005', 'rafkin', 'barcelona', '0.15');

CREATE TABLE customer(

cnm int PRIMARY KEY AUTO\_INCREMENT,

cname varchar (255),

city varchar (255),

rating int ,

sno int REFERENCES salesperson(sno)

);

INSERT INTO `customer` (`cnm`, `cname`, `city`, `rating`, `sno`) VALUES ('201', 'hoffman', 'london', '100', '1001'), ('202', 'glovanne', 'rome', '200', '1003'), ('203', 'liu', 'sanjose', '300', '1002'), ('204', 'grass', 'barcelona', '100', '1002'), ('205', 'clemens', 'london', '300', '1005'), ('206', 'pereira', 'rome', '100', '1004');

CREATE TABLE orders (

onm int PRIMARY KEY AUTO\_INCREMENT,

**amt int** (11),

ode date,

cnm in REFERENCES customer(cnm),

sno int REFERENCES salesperson(sno)

);

INSERT INTO `orders` (`onm`, `amt`, `ode`, `cnm`, `sno`) VALUES ('3001', '18.69', '1994-10-03', '201', '1005'), ('3002', '1900.1', '1994-10-03', '206', '1004'), ('3003', '767.19', '1994-10-03', '201', '1001') , ('3005', '3005', '1994-10-03', '203', '1001'), ('3006', '3006', '1994-10-04', '201', '1005'), ('3007', '3007', '1994-10-05', '204', '1002'), ('3008', '3008', '1994-10-05', '206', '1001'), ('3009', '3009', '1994-10-06', '202', '1003'), ('3010', '3010', '1994-10-06', '204', '1002'), ('3011', '3011', '1994-10-06', '206', '1001');

A. All orders for more than $1000.

Ans.  SELECT \* FROM orders WHERE AMT > 1000;

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

Ans. SELECT SNAME,CITY FROM `salesperson` WHERE CITY= 'LONDON' AND COMM > 0.10;

1. All salespeople either in Barcelona or in London.

Ans. SELECT SNAME,CITY FROM `salesperson` WHERE CITY IN(Barcelona, London);

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

Ans. SELECT SNAME FROM salesperson WHERE COMM BETWEEN  0.10 AND 0.12;

1. All customers with NULL values in city column.

Ans. SELECT CITY FROM customer WHERE CITY= NULL;

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

Ans. SELECT \* FROM `orders` WHERE ODE IN ('1994-10-02','1994-10-06');

1. All customers serviced by peel or Motika.

Ans.

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

Ans. SELECT \* FROM customer WHERE cname LIKE '[A-B]%' order by cname;

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

Ans. SELECT \* FROM customer WHERE RATING <= 100 AND CITY= 'rome';

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

Ans. SELECT ONM  FROM orders  WHERE AMT!= 0 AND  AMT=’NULL’;

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

Ans.