**\*\*CREATING DATABASE\*\***

mysql> CREATE DATABASE task4;

*Query OK, 1 row affected (0.78 sec)*

mysql> USE task4;

Database changed

mysql> SELECT DATABASE();

+------------+

| DATABASE() |

+------------+

| task4 |

+------------+

*1 row in set (0.00 sec)*

**\*\*CREATING TABLE FOR SALESPERSON\*\***

mysql> CREATE TABLE salesperson(

-> sno INT PRIMARY KEY,

-> name VARCHAR(50),

-> city VARCHAR(50),

-> comm DECIMAL (5,2)

-> );

*Query OK, 0 rows affected (2.41 sec)*

**\*\*CREATING TABLE FOR CUSTOMER\*\***

mysql> CREATE TABLE customer(

-> cnm INT PRIMARY KEY,

-> cname VARCHAR(50),

-> city VARCHAR(50),

-> rating INT,

-> sno INT,

-> FOREIGN KEY(sno) REFERENCES salesperson(sno)

-> );

*Query OK, 0 rows affected (3.21 sec)*

**\*\*INSERTING DATA INTO SALESPERSON\*\***

mysql> INSERT INTO Salesperson (sno, name, city, comm)

-> VALUES

-> (1, 'John', 'London', 0.15),

-> (2, 'Rahul', 'Barcelona', 0.10),

-> (3, 'Mike', 'Rome', 0.13),

-> (4, 'Batman', 'London', 0.12);

*Query OK, 4 rows affected (12.49 sec)*

**\*\*INSERTING DATA INTO CUSTOMER\*\***

mysql> INSERT INTO Customer (cnm, cname, city, rating, sno) VALUES

-> (101, 'Customer1', 'London', 120, 1),

-> (102, 'Customer2', 'Barcelona', 90, 2),

-> (103, 'Customer3', 'Rome', 80, 3),

-> (104, 'Customer4', 'London', 110, 4);

*Query OK, 4 rows affected (0.72 sec)*

**\*\*SHOWING OUTPUT OF TABLE SALESPERSON\*\***

mysql> SELECT\*FROM salesperson;

+-----+--------+-----------+------+

| sno | name | city | comm |

+-----+--------+-----------+------+

| 1 | John | London | 0.15 |

| 2 | Rahul | Barcelona | 0.10 |

| 3 | Mike | Rome | 0.13 |

| 4 | Batman | London | 0.12 |

+-----+--------+-----------+------+

*4 rows in set (0.12 sec)*

**\*\*SHOWING OUTPUT OF TABLE CUSTOMER\*\***

mysql> SELECT\*FROM customer;

+-----+-----------+-----------+--------+------+

| cnm | cname | city | rating | sno |

+-----+-----------+-----------+--------+------+

| 101 | Customer1 | London | 120 | 1 |

| 102 | Customer2 | Barcelona | 90 | 2 |

| 103 | Customer3 | Rome | 80 | 3 |

| 104 | Customer4 | London | 110 | 4 |

+-----+-----------+-----------+--------+------+

*4 rows in set (0.00 sec)*

**\*\*Q1. All orders for more than $1000.\*\***

mysql> SELECT \* FROM Customer WHERE rating > 100;

+-----+-----------+--------+--------+------+

| cnm | cname | city | rating | sno |

+-----+-----------+--------+--------+------+

| 101 | Customer1 | London | 120 | 1 |

| 104 | Customer4 | London | 110 | 4 |

+-----+-----------+--------+--------+------+

*2 rows in set (0.28 sec)*

**\*\*Q2. Names and cities of all salespeople in London with commission above 0.12\*\***

mysql> SELECT name, city FROM Salesperson WHERE city = 'London' AND comm > 0.12;

+------+--------+

| name | city |

+------+--------+

| John | London |

+------+--------+

*1 row in set (1.17 sec)*

**\*\*Q3. All salespeople either in Barcelona or in London\*\***

mysql> SELECT \* FROM Salesperson WHERE city = 'Barcelona' OR city = 'London';

+-----+--------+-----------+------+

| sno | name | city | comm |

+-----+--------+-----------+------+

| 1 | John | London | 0.15 |

| 2 | Rahul | Barcelona | 0.10 |

| 4 | Batman | London | 0.12 |

+-----+--------+-----------+------+

*3 rows in set (0.00 sec)*

**\*\*Q4. All salespeople with commission between 0.10 and 0.12. (Boundary values should be excluded).\*\***

mysql> SELECT \* FROM Salesperson WHERE comm > 0.10 AND comm < 0.12;

Empty set (0.00 sec)

**\*\*Q5. All customers excluding those with rating <= 100 unless they are located in Rome\*\***

mysql> SELECT \* FROM Customer WHERE (rating > 100) OR (city = 'Rome');

+-----+-----------+--------+--------+------+

| cnm | cname | city | rating | sno |

+-----+-----------+--------+--------+------+

| 101 | Customer1 | London | 120 | 1 |

| 103 | Customer3 | Rome | 80 | 3 |

| 104 | Customer4 | London | 110 | 4 |

+-----+-----------+--------+--------+------+

*3 rows in set (0.00 sec)*

\*\*NOT COPIED AND I DID LOOK UP AT MYSQL WEBSITE FOR FEW PARTICULAR QUERIES WHICH I WASN’T SURE OF HOW TO TYPE CORRECT QUERY AND FOR THAT I SEARCHED GOOGLED THIS ASSIGNMENT IS NOT COPIED.\*\*

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