NAME: Omkar.U.Hulawale
ROLL NO: 13165
BATCH: A3

AIM: Write at least 10 SQL queries on the suitable database application using SQL DML statements.

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Microsoft Windows [Version 10.0.22621.3155]
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C:\Users\hulaw>mysql -u root -p
Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 16
Server version: 8.0.39 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| emp                |
| information_schema |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
5 rows in set (0.01 sec)

mysql> use emp;
Database changed
mysql> create table emp_info_1(emp_id int(10) primary key,emp_name
varchar(20),emp_salary int(20),address varchar(30));
Query OK, 0 rows affected, 2 warnings (0.04 sec)

mysql> desc emp_info_1;
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| emp_id     | int         | NO   | PRI | NULL    |       |
| emp_name   | varchar(20) | YES  |     | NULL    |       |
| emp_salary | int         | YES  |     | NULL    |       |
| address    | varchar(30) | YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
4 rows in set (0.01 sec)

mysql> insert into emp_info_1 values(101,'Om',30000,'Pune'),
(102,'Ram',50000,'Bengaluru'),(103,'Sham',35000,'Nashik'),
(104,'Sunny',60000,'Mumbai');
Query OK, 4 rows affected (0.02 sec)
Records: 4  Duplicates: 0  Warnings: 0

mysql> select * from emp_info_1;
+--------+----------+------------+-----------+
| emp_id | emp_name | emp_salary | address   |
+--------+----------+------------+-----------+
|    101 | Om       |      30000 | Pune      |
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|     102 | Ram       |       50000 | Bengaluru |
|     103 | Sham      |       35000 | Nashik    |
|     104 | Sunny     |       60000 | Mumbai    |
+--------+----------+------------+-----------+
4 rows in set (0.00 sec)

mysql>  delete from emp_info_1 where address='Nashik';
Query OK, 1 row affected (0.01 sec)

mysql> select * from emp_info_1;
+--------+----------+------------+-----------+
| emp_id | emp_name | emp_salary | address   |
+--------+----------+------------+-----------+
|     101 | Om        |       30000 | Pune      |
|     102 | Ram       |       50000 | Bengaluru |
|     104 | Sunny     |       60000 | Mumbai    |
+--------+----------+------------+-----------+
3 rows in set (0.00 sec)

mysql> update emp_info_1 set emp_name='Omkar' where emp_id=101;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> select * from emp_info_1;
+--------+----------+------------+-----------+
| emp_id | emp_name | emp_salary | address   |
+--------+----------+------------+-----------+
|     101 | Omkar     |       30000 | Pune      |
|     102 | Ram       |       50000 | Bengaluru |
|     104 | Sunny     |       60000 | Mumbai    |
+--------+----------+------------+-----------+
3 rows in set (0.00 sec)

mysql> select address,emp_name from emp_info_1;
+-----------+----------+
| address   | emp_name |
+-----------+----------+
| Pune      | Omkar    |
| Bengaluru | Ram      |
| Mumbai    | Sunny    |
+-----------+----------+
3 rows in set (0.00 sec)

mysql> select * from emp_info_1 order by emp_name asc;
+--------+----------+------------+-----------+
| emp_id | emp_name | emp_salary | address   |
+--------+----------+------------+-----------+
|     101 | Omkar     |       30000 | Pune      |
|     102 | Ram       |       50000 | Bengaluru |
|     104 | Sunny     |       60000 | Mumbai    |
+--------+----------+------------+-----------+
3 rows in set (0.00 sec)

mysql> select * from emp_info_1 where emp_name like '%m';
+--------+----------+------------+-----------+
| emp_id | emp_name | emp_salary | address   |
+--------+----------+------------+-----------+
|     102 | Ram       |       50000 | Bengaluru |
+--------+----------+------------+-----------+
1 row in set (0.00 sec)

mysql> select * from emp_info_1 where emp_name like 'S%';
+--------+----------+------------+---------+
| emp_id | emp_name | emp_salary | address |
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+--------+----------+------------+---------+
|    104 | Sunny    |      60000 | Mumbai  |
+--------+----------+------------+---------+
1 row in set (0.00 sec)

mysql> select distinct emp_id from emp_info_1;
+--------+
| emp_id |
+--------+
|    101 |
|    102 |
|    104 |
+--------+
3 rows in set (0.00 sec)

mysql> select emp_name from emp_info_1 where emp_name in('Ram','Sunny');
+----------+
| emp_name |
+----------+
| Ram      |
| Sunny    |
+----------+
2 rows in set (0.00 sec)

mysql> select * from emp_info_1;
+--------+----------+------------+-----------+
| emp_id | emp_name | emp_salary | address   |
+--------+----------+------------+-----------+
|    101 | Omkar    |      30000 | Pune      |
|    102 | Ram      |      50000 | Bengaluru |
|    104 | Sunny    |      60000 | Mumbai    |
+--------+----------+------------+-----------+
3 rows in set (0.00 sec)

mysql> select * from emp_info_1 where emp_name is null;
Empty set (0.00 sec)

mysql> select avg(emp_salary) from emp_info_1;
+-----------------+
| avg(emp_salary) |
+-----------------+
|      46666.6667 |
+-----------------+
1 row in set (0.01 sec)

mysql> select min(emp_salary) from emp_info_1;
+-----------------+
| min(emp_salary) |
+-----------------+
|           30000 |
+-----------------+
1 row in set (0.00 sec)

mysql> select max(emp_salary) from emp_info_1;
+-----------------+
| max(emp_salary) |
+-----------------+
|           60000 |
+-----------------+
1 row in set (0.00 sec)

mysql> select count(emp_salary) from emp_info_1;
+-------------------+
| count(emp_salary) |
```

```
+------------------+
|              3 |
+------------------+
1 row in set (0.01 sec)

mysql> select sum(emp_salary) from emp_info_1;
+-----------------+
| sum(emp_salary) |
+-----------------+
|          140000 |
+-----------------+
1 row in set (0.00 sec)

mysql> select * from emp_info_1 where emp_salary <=35000;
+--------+----------+------------+---------+
| emp_id | emp_name | emp_salary | address |
+--------+----------+------------+---------+
|    101 | Omkar    |      30000 | Pune    |
+--------+----------+------------+---------+
1 row in set (0.00 sec)

mysql> select * from emp_info_1 where emp_salary <=50000;
+--------+----------+------------+-----------+
| emp_id | emp_name | emp_salary | address   |
+--------+----------+------------+-----------+
|    101 | Omkar    |      30000 | Pune      |
|    102 | Ram      |      50000 | Bengaluru |
+--------+----------+------------+-----------+
2 rows in set (0.00 sec)

mysql> select * from emp_info_1 where emp_salary <60000;
+--------+----------+------------+-----------+
| emp_id | emp_name | emp_salary | address   |
+--------+----------+------------+-----------+
|    101 | Omkar    |      30000 | Pune      |
|    102 | Ram      |      50000 | Bengaluru |
+--------+----------+------------+-----------+
2 rows in set (0.00 sec)

mysql> select * from emp_info_1 where emp_salary >50000;
+--------+----------+------------+---------+
| emp_id | emp_name | emp_salary | address |
+--------+----------+------------+---------+
|    104 | Sunny    |      60000 | Mumbai  |
+--------+----------+------------+---------+
1 row in set (0.00 sec)

mysql> select * from emp_info_1 where emp_salary >=50000;
+--------+----------+------------+-----------+
| emp_id | emp_name | emp_salary | address   |
+--------+----------+------------+-----------+
|    102 | Ram      |      50000 | Bengaluru |
|    104 | Sunny    |      60000 | Mumbai    |
+--------+----------+------------+-----------+
2 rows in set (0.00 sec)
```