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

**C:\Users\HP>mysql -u root -p**

**Enter password: \*\*\*\***

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 14

Server version: 8.0.38 MySQL Community Server - GPL

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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 (0.04 sec)

**mysql> create database employeemg;**

Query OK, 1 row affected (0.01 sec)

**mysql> use employeemg;**

Database changed

**/\* Create a table which are contains column(attributes: with data types \*/**

**mysql> create table emp(emp\_id int(10),emp\_name varchar(20),address varchar(30),salary int(20));**

Query OK, 0 rows affected, 2 warnings (0.04 sec)

**mysql> select \* from emp;**

Empty set (0.00 sec)

mysql> **desc emp;**

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

| Field | Type | Null | Key | Default | Extra |

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

| emp\_id | int | YES | | NULL | |

| emp\_name | varchar(20) | YES | | NULL | |

| address | varchar(30) | YES | | NULL | |

| salary | int | YES | | NULL | |

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

4 rows in set (0.01 sec)

**/\* By using DML query insert ,insert the values to the Attributes \*/**

**mysql> insert into emp values(001,"Suna","Bhosari",45000);**

Query OK, 1 row affected (0.01 sec)

**mysql> select \* from emp;**

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

| emp\_id | emp\_name | address | salary |

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

| 1 | Suna | Bhosari | 45000 |

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

1 row in set (0.00 sec)

**mysql> insert into emp values(002,"Riya","Talegaon",25000);**

Query OK, 1 row affected (0.01 sec)

**mysql> insert into emp values(003,"Siya","Pune",55000);**

Query OK, 1 row affected (0.00 sec)

**mysql> select \* from emp;**

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

| emp\_id | emp\_name | address | salary |

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

| 1 | Suna | Bhosari | 45000 |

| 2 | Riya | Talegaon | 25000 |

| 3 | Siya | Pune | 55000 |

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

3 rows in set (0.00 sec)

**mysql> insert into emp values(004,"Raha","Pune",65000);**

Query OK, 1 row affected (0.00 sec)

**/\* By using DML command "UPDATE" , updating the values.\*/**

**mysql> update emp set emp\_name='Rohan' where emp\_id=002;**

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

**mysql> select \* from emp;**

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

| emp\_id | emp\_name | address | salary |

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

| 1 | Suna | Bhosari | 45000 |

| 2 | Rohan | Talegaon | 25000 |

| 3 | Siya | Pune | 55000 |

| 4 | Raha | Pune | 65000 |

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

4 rows in set (0.00 sec)

**/\*By using DML command Delete ,deleting the column from the table\*/**

**mysql> delete from emp where address='Pune';**

Query OK, 2 rows affected (0.00 sec)

**mysql> select \* from emp;**

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

| emp\_id | emp\_name | address | salary |

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

| 1 | Suna | Bhosari | 45000 |

| 2 | Rohan | Talegaon | 25000 |

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

2 rows in set (0.00 sec)

**/\* Display the** **emp\_id,emp\_name From the emp\_info. \*/**

**mysql> select emp\_id,emp\_name from emp;**

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

| emp\_id | emp\_name |

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

| 1 | Suna |

| 2 | Rohan |

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

2 rows in set (0.00 sec)

**mysql> insert into emp values(005,"Raha","Pune",65000);**

Query OK, 1 row affected (0.00 sec)

**/\* Displaying the emp\_name by Descending Order.(By using "ORDER BY" query ): \*/**

**mysql> select salary from emp order by salary desc;**

+--------+

| salary |

+--------+

| 65000 |

| 45000 |

| 25000 |

+--------+

3 rows in set (0.00 sec)

**/\* Display All emp\_name FROM the emp\_info which are ending with "s" .(By using "LIKE" operator)**

**mysql> select emp\_name from emp where emp\_name like 'S%';**

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

| emp\_name |

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

| Suna |

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

1 row in set (0.00 sec)

**/\* By Using "DISTINCT"** **keyword display the particular column.\*/**

**mysql> select distinct address from emp;**

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

| address |

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

| Bhosari |

| Talegaon |

| Pune |

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

3 rows in set (0.00 sec)

**mysql> select \* from emp where address in('Pune','Talegaon');**

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

| emp\_id | emp\_name | address | salary |

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

| 2 | Rohan | Talegaon | 25000 |

| 5 | Raha | Pune | 65000 |

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

2 rows in set (0.00 sec)

**/\* Check whether** **emp\_name are NULL or Not \*/**

**mysql> select \* from emp where salary is null;**

Empty set (0.00 sec)

**mysql> insert into emp values(005,"Raha","Pune",Null);**

Query OK, 1 row affected (0.00 sec)

**/\* Check whether** **emp\_name are NULL or Not \*/**

**mysql> select \* from emp where salary is Null;**

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

| emp\_id | emp\_name | address | salary |

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

| 5 | Raha | Pune | NULL |

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

1 row in set (0.00 sec)

**mysql> select \* from emp;**

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

| emp\_id | emp\_name | address | salary |

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

| 1 | Suna | Bhosari | 45000 |

| 2 | Rohan | Talegaon | 25000 |

| 5 | Raha | Pune | 65000 |

| 5 | Raha | Pune | NULL |

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

4 rows in set (0.00 sec)

**mysql> update emp set emp\_name='Rani' where salary=65000;**

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from emp;

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

| emp\_id | emp\_name | address | salary |

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

| 1 | Suna | Bhosari | 45000 |

| 2 | Rohan | Talegaon | 25000 |

| 5 | Rani | Pune | 65000 |

| 5 | Raha | Pune | NULL |

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

4 rows in set (0.00 sec)

**/\* To Find The Average Salary FROM The Table \*/**

**mysql> select avg(salary) from emp;**

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

| avg(salary) |

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

| 45000.0000 |

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

1 row in set (0.00 sec)

**/\* To Find The** **COUNT of The Column \*/**

**mysql> select count(salary) from emp;**

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

| count(salary) |

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

| 3 |

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

1 row in set (0.00 sec)

**mysql> select count(\*) from emp;**

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

| count(\*) |

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

| 4 |

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

1 row in set (0.00 sec)

**/\* To Find The SUM** **of The SALARY \*/**

**mysql> select emp\_name,sum(salary) from emp group by emp\_name;**

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

| emp\_name | sum(salary) |

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

| Suna | 45000 |

| Rohan | 25000 |

| Rani | 65000 |

| Raha | NULL |

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

4 rows in set (0.00 sec)

**/\* To Display the Salary Whose Having Salary Less Than the 50000K \*/**

**mysql> select emp\_name,sum(salary) from emp group by emp\_name having sum(salary)<50000;**

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

| emp\_name | sum(salary) |

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

| Suna | 45000 |

| Rohan | 25000 |

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

2 rows in set (0.00 sec)