

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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```

```
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affiliates. Other names may be trademarks of their respective  
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 (0.04 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    |       |
```

emp_id	emp_name	address	salary
1	Suna	Bhosari	45000

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)
```