

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

\*\*\*\* Student Name : Hanuman Babasaheb Bavane

Roll\_No : 13109

Class : TE

Microsoft Windows [Version 10.0.22631.3880] (c)  
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C:\Users\HP>mysql -u root -p

Enter password: \*\*\*\*

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

Your MySQL connection id is 15

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	
info	
information_schema	
mysql	
performance_schema	
sys	

6 rows in set (0.01 sec)

mysql> use emp;

Database changed

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

mysql> create table emp\_info(emp\_id int(30) primary key ,emp\_name varchar(40),emp\_salary int(40),address varchar(50));

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

mysql> desc emp\_info;

Field	Type	Null	Key	Default	Extra
emp_id	int	NO	PRI	NULL	
emp_name	varchar(40)	YES		NULL	

```

| emp_salary | int          | YES |          | NULL |          |
| address    | varchar(50) | YES |          | NULL |          | +-----+
+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

```

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

```

mysql> insert into emp_info
values(101,'Amay',45000,'pune'),(102,'avi',50000,'chinchwad'),(103,'sunny
',43000,'noida'),(104,'arnav',65
000,'mumbai');
Query OK, 4 rows affected (0.05 sec)
Records: 4  Duplicates: 0  Warnings: 0

```

```

mysql> select * from emp_info;
+-----+-----+-----+-----+-----+
| emp_id | emp_name | emp_salary | address |
+-----+-----+-----+-----+
| 101 | Amay | 45000 | pune |
| 102 | avi | 50000 | chinchwad |
| 103 | sunny | 43000 | noida |
| 104 | arnav | 65000 | mumbai |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)

```

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

```

mysql> delete from emp_info where address='noida';
Query OK, 1 row affected (0.05 sec)

```

```

mysql> select * from emp_info;
+-----+-----+-----+-----+-----+
| emp_id | emp_name | emp_salary | address |
+-----+-----+-----+-----+
| 101 | Amay | 45000 | pune |
| 102 | avi | 50000 | chinchwad |
| 104 | arnav | 65000 | mumbai |
+-----+-----+-----+-----+
3 rows in set (0.00 sec)

```

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

```

mysql> update emp_info set emp_name='shruti' where emp_id=101;
Query OK, 1 row affected (0.05 sec)
Rows matched: 1  Changed: 1  Warnings: 0

```

```

mysql> select * from emp_info;
All contains From the table */
+-----+-----+-----+-----+-----+
| emp_id | emp_name | emp_salary | address |
+-----+-----+-----+-----+
| 101 | shruti | 45000 | pune |
| 102 | avi | 50000 | chinchwad |
| 104 | arnav | 65000 | mumbai |
+-----+-----+-----+-----+

```

**/\* displaying**

```
+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```
/* Display the
Address,emp_name From the emp_info. */ mysql> select address
,emp_name from emp_info;
```

```
+-----+-----+
| address | emp_name |
+-----+-----+
| pune    | shruti   |
| chinchwad | avi      |
| mumbai  | arnav    |
+-----+-----+
3 rows in set (0.00 sec)
```

```
/* Displaying the emp_name by Ascending Order .(By using "ORDER BY" query
): */
```

```
mysql> select * from emp_info order by emp_name ASC;
```

```
+-----+-----+-----+-----+
| emp_id | emp_name | emp_salary | address |
+-----+-----+-----+-----+
| 104    | arnav    | 65000      | mumbai  |
| 102    | avi      | 50000      | chinchwad |
| 101    | shruti   | 45000      | pune    |
+-----+-----+-----+-----+
3 rows in set (0.05 sec)
```

```
/* Display All emp_name
FROM the emp_info Which are ending with "V" .(By using "LIKE"
operator); */
```

```
mysql> select * from emp_info where emp_name like '%v';
```

```
+-----+-----+-----+-----+
| emp_id | emp_name | emp_salary | address |
+-----+-----+-----+-----+
| 104    | arnav    | 65000      | mumbai  |
+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

```
/* Display All
emp_name FROM the emp_info Which are Starting with "a" .(By using
"LIKE" operator); */
```

```
mysql> select * from emp_info where emp_name like 'a%';
```

```
+-----+-----+-----+-----+
| emp_id | emp_name | emp_salary | address |
+-----+-----+-----+-----+
| 102    | avi      | 50000      | chinchwad |
| 104    | arnav    | 65000      | mumbai  |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)
3
```

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

```
mysql> select distinct emp_id from emp_info;
```

```
+-----+
| emp_id |
+-----+
```

```
|      101 |
|      102 |
|      104 |
+-----+
4 rows in set (0.00 sec)
```

**/\* Display the particular emp\_name from the emp\_info \*/**

```
mysql> select emp_name from emp_info where emp_name in ('avi','arnav');
+-----+
| emp_name |
+-----+
| avi      |
| arnav    |
+-----+
2 rows in set (0.00 sec)
3
```

**/\* Display The table with All containts \*/**

```
mysql> select * from emp_info;
+-----+-----+-----+-----+
| emp_id | emp_name | emp_salary | address |
+-----+-----+-----+-----+
|      101 | shruti   |      45000 | pune    |
|      102 | avi      |      50000 | chinchwad |
|      104 | arnav    |      65000 | mumbai   |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```

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

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

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

```
mysql> select avg(emp_salary) from emp_info;
+-----+
| avg(emp_salary) |
+-----+
|      53333.3333 |
+-----+
1 row in set (0.00 sec)
```

**/\* To Find The MINIMUM Salary From the emp\_info \*/**

```
mysql> select min(emp_salary) from emp_info;
+-----+
| min(emp_salary) |
+-----+
|           45000 |
+-----+
1 row in set (0.00 sec)
```

/\* To Find The  
MAXIMUM Salary From the emp\_info \*/

```
mysql> select max(emp_salary) from emp_info;
```

```
+-----+  
| max(emp_salary) |  
+-----+  
|           65000 |  
+-----+  
1 row in set (0.00 sec)
```

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

```
mysql> select count(emp_salary) from emp_info;
```

```
+-----+  
| count(emp_salary) |  
+-----+  
|           3 |  
+-----+  
1 row in set (0.00 sec)
```

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

```
mysql> select sum(emp_salary) from emp_info;
```

```
+-----+  
| sum(emp_salary) |  
+-----+  
|          160000 |  
+-----+  
1 row in set (0.00 sec)
```

```
mysql> select emp_name, sum(emp_salary) from emp_info group by emp_name;
```

```
+-----+-----+  
| emp_name | sum(emp_salary) |  
+-----+-----+  
| shruti   |          45000 |  
| avi      |          50000 |  
| arnav    |          65000 |  
+-----+-----+  
3 rows in set (0.00 sec)
```

/\* To Display the Salary Whose Having Salary Less Than the 55000K \*/

```
mysql> select emp_name, sum(emp_salary) from emp_info group by emp_name  
having sum(emp_salary)<55000; +-----+-----+
```

```
| emp_name | sum(emp_salary) |  
+-----+-----+  
| shruti   |          45000 |  
| avi      |          50000 |  
+-----+-----+  
2 rows in set (0.00 sec)  
mysql>
```