# PRACTICAL NO 1

**Name :- Bhujbal Shubham Shantaram**

# Roll No :- 62

**TITLE :-**

1. Design and Develop SQL DDL statements which demonstrate the use of SQL objects suchas Table, View,

Index, Sequence, Synonym, different constraints etc.

1. Write at least 10 SQL queries on the suitable database application using SQL DMLstatements. Note: Instructor will design the queries which demonstrate the use of concepts like Insert, Select, Update, Delete with operators, functions, and set operator etc.

……………………………………………………………………………………………………………

# Code With Output :-

mysql> show databases;

+ +

| Database |

+ +

| AIDS |

| COM |

|MECH |

| TE |

| empdb |

| information\_schema |

| mysql |

| performance\_schema |

| studdb |

| sys |

+ +

10 rows in set (0.00 sec)

mysql> use empdb;

Database changed

mysql> create table empinfo(empid int(10), empname varchar(255), empdept varchar(255)); Query OK, 0 rows affected, 1 warning (2.57 sec)

mysql> show tables;

+ +

| Tables\_in\_empdb |

+ +

| empinfo |

+ +

1 row in set (0.00 sec)

mysql> use empdb; Database changed mysql> desc empinfo;

+ + + + + + +

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

+ + + + + + +

| empid | int | YES | | NULL | |

| empname | varchar(255) | YES | | NULL | |

| empdept | varchar(255) | YES | | NULL | |

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

mysql> insert into empinfo values(101,"Aniket","Marketing"); Query OK, 1 row affected (0.23 sec)

mysql> select \* from empinfo;

+ + + +

| empid | empname | empdept |

+ + + +

| 101 | Aniket | Marketing |

+ + + + 1 row in set (0.00 sec)

mysql> insert into empinfo values(102,"Kartik","Accounting"); Query OK, 1 row affected (0.22 sec)

mysql> select \* from empinfo;

+ + + +

| empid | empname | empdept |

+ + + +

| 101 | Aniket | Marketing |

| 102 | Kartik | Accounting |

+ + + + 2 rows in set (0.00 sec)

mysql> insert into empinfo values(103,"Sid","sales"); Query OK, 1 row affected (0.21 sec)

mysql> select \* from empinfo;

+ + + +

| empid | empname | empdept |

+ + + +

| 101 | Aniket | Marketing |

| 102 | Kartik | Accounting |

| 103 | Sid| sales |

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

mysql> update empinfo set salary where empid=101;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'where empid=101' at line 1

mysql> update empinfo set salary=10000 where empid=101; ERROR 1054 (42S22): Unknown column 'salary' in 'field list' mysql> update table empinfo set salary=10000 where empid=101;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'table empinfo set salary=10000 where empid=101' at line 1

mysql> update empinfo set salary=10000 where empname="Aniket"; ERROR 1054 (42S22): Unknown column 'salary' in 'field list' mysql> alter table empinfo add salary int(10);

Query OK, 0 rows affected, 1 warning (1.35 sec)

Records: 0 Duplicates: 0 Warnings: 1

mysql> select \* from empinfo;

+ + + + +

| empid | empname | empdept | salary |

+ + + + +

| 101 | Aniket | Marketing | NULL |

| 102 | Kartik | Accounting | NULL |

| 103 | Sid| sales | NULL |

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

mysql> update empinfo set salary=10000 where empname="Aniket"; Query OK, 1 row affected (0.22 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from empinfo;

+ + + + +

| empid | empname | empdept | salary |

+ + + + +

| 101 | Aniket | Marketing | 10000 |

| 102 | Kartik | Accounting | NULL |

| 103 | Sid| sales | NULL |

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

mysql> update empinfo set salary=20000 where empname="Kartik"; Query OK, 1 row affected (0.23 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update empinfo set salary=5000 where empname="Sid"; Query OK, 1 row affected (0.31 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from empinfo;

+ + + + +

| empid | empname | empdept | salary |

+ + + + +

| 101 | Aniket | Marketing | 10000 |

| 102 | Kartik | Accounting | 20000 |

| 103 | Sid| sales | 5000 |

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

mysql> select \* from empinfo where salaray = 10000;

ERROR 1054 (42S22): Unknown column 'salaray' in 'where clause' mysql> select \* from empinfo where salary = 10000;

+ + + + +

| empid | empname | empdept | salary |

+ + + + +

| 101 | Aniket | Marketing | 10000 |

+ + + + + 1 row in set (0.01 sec)

mysql> select \* from empinfo where salary > 10000;

+ + + + +

| empid | empname | empdept | salary |

+ + + + +

| 102 | Kartik | Accounting | 20000 |

+ + + + + 1 row in set (0.01 sec)

mysql> select \* from empinfo where salary < 10000;

+ + + + +

| empid | empname | empdept | salary |

+ + + + +

| 103 | Sid | sales | 5000 |

+ + + + + 1 row in set (0.01 sec)

mysql> select from empinfo where empid=101;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'from empinfo where empid=101' at line 1

mysql> select empname from empinfo where empid=101;

+ +

| empname |

+ +

| Aniket |

+ +

1 row in set (0.00 sec)

mysql> select empname,salary from empinfo where empid=101;

+ + +

| empname | salary |

+ + +

| Aniket | 10000 |

+ + +

1 row in set (0.00 sec)

mysql> select empname,salary from empinfo where empid =101 and dept="Marketing"; ERROR 1054 (42S22): Unknown column 'dept' in 'where clause'

mysql> select empname,salary from empinfo where empid =101 and empdept="Marketing";

+ + +

| empname | salary |

+ + +

| Aniket | 10000 |

+ + +

1. row in set (0.00 sec)

mysql> update empinfo set salary=20000 where empname="Aniket"; Query OK, 1 row affected (0.24 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from empinfo;

+ + + + +

| empid | empname | empdept | salary |

+ + + + +

| 101 | Aniket | Marketing | 20000 |

| 102 | Kartik | Accounting | 20000 |

| 103 | Sid| sales | 5000 |

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

mysql> select empname,salary from empinfo where empid =101 or salary=20000;

+ + +

| empname | salary |

+ + +

| Aniket | 20000 |

| Kartik | 20000 |

+ + +

1. rows in set (0.00 sec)

mysql>