PRACTICAL NO. 2

1. Create a table called Employee with following structure.

Create Table:

SQL> create table employee(empno int,ename varchar(10),job varchar(10),mgr int,sal int);

SQL> desc employee;



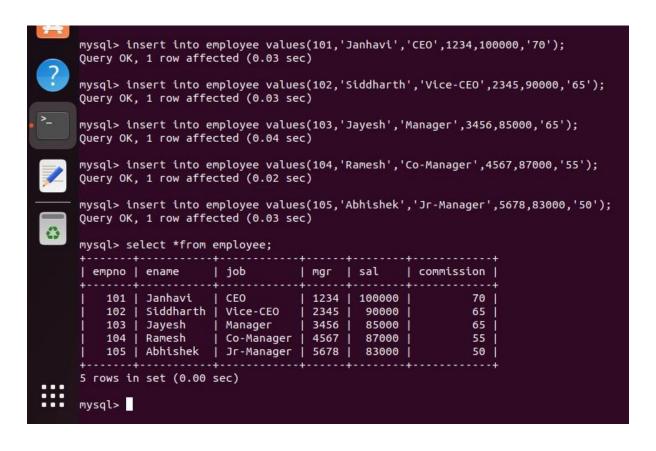
a. Add a column commission with domain to the Employee table.

SQL> alter table employee add(commission int); SQL> desc employee;

```
mysql> alter table employee add(commission int);
Query OK, 0 rows affected (0.07 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> desc employee;
          | Type | Null | Key | Default | Extra |
 Field
        | int | YES
| varchar(10) | YES
| varchar(10) | YES
| int | YES
| int | YES
                            | YES |
 empno
                                          NULL
                                          NULL
 ename
                                          NULL
  job
                                          NULL
 mgr
 sal
                                          NULL
| commission | int
                            | YES |
                                          NULL
6 rows in set (0.00 sec)
mysql>
```

b. Insert any Five records into the table.

```
SQL> insert into employee values(101,'Janhavi','CEO',1234,100000,'70'); SQL> insert into employee values(102,'Siddharth','Vice-CEO',2345,90000,'65'); SQL> insert into employee values(103,'Jayesh,'Manager', 3456,85000,'65'); SQL> insert into employee values(104,'Ramesh','Co-Manager', 4567,87000,'55'); SQL> insert into employee values(105,'Abhishek','Jr-Manager', 5678,83000,'50'); SQL> select *from employee;
```



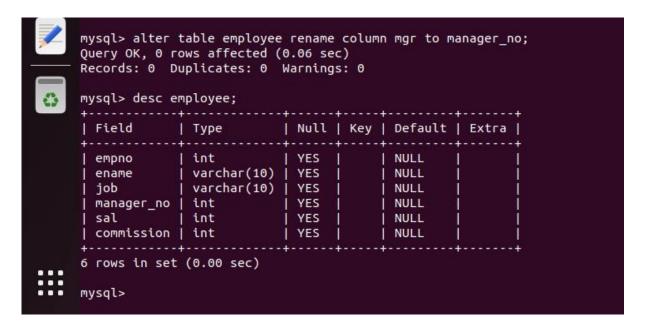
c. Update the column details of job.

SQL> update employee set job='trainee' where empno=103; SQL> select *from employee;



d. Rename the column of Employee table using alter command.

SQL> alter table employee rename column mgr to manager_no; SQL> desc employee;



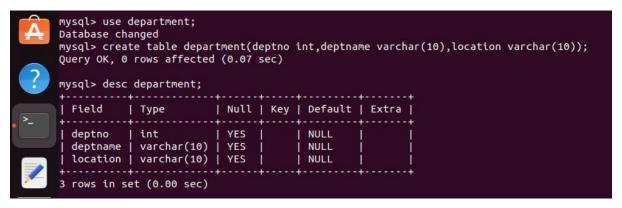
e. Delete the employee whose Empno is 105.

SQL> delete from employee where empno=105; SQL> select *from employee;

2. Create department table with following structure.

SQL> create table department(deptno int,deptname varchar(10),location varchar(10));

SQL> desc department;



a. Add a column designation to the Department table.

SQL> alter table department add(designation varchar(10)); SQL> desc employee;

b. Insert values into the table.

```
SQL> insert into department values(9,'Accounting','Mumbai','Manager');

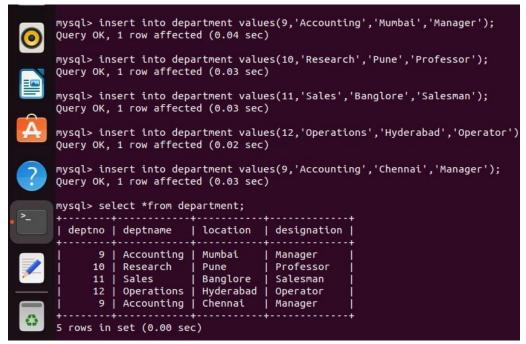
SQL> insert into department values(10,'Research','Pune','Professor');

SQL> insert into department values(11,'Sales','Banglore','Salesman');

SQL> insert into department values(12,'Operations','Hyderabad','Operator');

SQL> insert into department values(13,'Accounting','Chennai','Manager');

SQL> select *from department;
```



c. List the records of dept table grouped by deptno.

SQL> select deptno, deptname from department group by deptno, deptname;

d. Update the record where deptno is 9.

SQL> update department set designation='Accountant' where deptno=9; SQL> select *from department;

```
mysql> update department set designation='Accountant' where deptno=9;
Query OK, 2 rows affected (0.02 sec)
Rows matched: 2 Changed: 2 Warnings: 0

mysql> select *from department;
| deptno | deptname | location | designation |
| 9 | Accounting | Mumbai | Accountant |
| 10 | Research | Pune | Professor |
| 11 | Sales | Banglore | Salesman |
| 12 | Operations | Hyderabad | Operator |
| 9 | Accounting | Chennai | Accountant |

****

5 rows in set (0.00 sec)

mysql>
```

e. Delete any column data from the table.

SQL> alter table department drop(designation);

SQL> select *from department;

```
mysql> alter table department drop column designation;
Query OK, 0 rows affected (0.08 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> select *from department;

| deptno | deptname | location |
| 10 | Research | Pune |
| 11 | Sales | Banglore |
| 12 | Operations | Hyderabad |
| 9 | Accounting | Chennai |

**** 5 rows in set (0.00 sec)

mysql>
```