***Assignment No:2***

[root@localhost admin]# systemctl start mysqld.service;

[root@localhost admin]# mysql;

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

Your MariaDB connection id is 4

Server version: 5.5.33a-MariaDB MariaDB Server

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> create database company ;

Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> show databases;

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

| Database |

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

| information\_schema |

| book |

| class |

| college |

| dbms\_prac7 |

| employe |

| employee

company |

| lib |

| library |

| mysql |

| performance\_schema |

| secomp |

| shraddha |

| student |

| tecomp |

| test |

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

16 rows in set (0.00 sec)

MariaDB [(none)]> use employee;

Reading table information for completion of table and column names

You can turn off this feature to get a quicker startup with -A

Database changed

MariaDB [employee]> create table emp\_details(emp\_no int(10),emp\_name varchar(30),emp\_sal int(30));

Query OK, 0 rows affected (0.06 sec)

MariaDB [employee]> show tables;

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

| Tables\_in\_employee |

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

| emp

emp\_details |

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

1 row in set (0.00 sec)

MariaDB [employee]> select \* from emp;

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

| emp\_no | emp\_name | emp\_dept | emp\_sal |

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

| 1 | shivam | testing | 40000 |

| 2 | shyam | coding | 40000 |

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

2 rows in set (0.00 sec)

MariaDB [employee]> insert into emp values(3,'ram','management',30000);

Query OK, 1 row affected (0.03 sec)

MariaDB [employee]> insert into emp values(4,'akash','management',30000);

Query OK, 1 row affected (0.02 sec)

MariaDB [employee]> insert into emp values(5,'shiva','designing',35000);

Query OK, 1 row affected (0.02 sec)

MariaDB [employee]> select \* from emp;

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

| emp\_no | emp\_name | emp\_dept | emp\_sal |

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

| 1 |shivam | testing | 40000 |

| 2 | shyam | coding | 40000 |

| 3 |ram | management | 30000 |

| 4 |akash | management | 30000 |

| 5 | shiva | designing | 35000 |

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

5 rows in set (0.00 sec)

MariaDB [employee]> alter table emp add joim\_date date;

Query OK, 5 rows affected (0.09 sec)

Records: 5 Duplicates: 0 Warnings: 0

MariaDB [employee]> select \* from emp;

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

| emp\_no | emp\_name | emp\_dept | emp\_sal | joim\_date |

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

| 1 | shivam | testing | 40000 | NULL |

| 2 | shyam | coding | 40000 | NULL |

| 3 | ram | management | 30000 | NULL |

| 4 | akash | management | 30000 | NULL |

| 5 | shiva | designing | 35000 | NULL |

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

5 rows in set (0.00 sec)

MariaDB [employee]> alter table emp drop joim\_date;

Query OK, 5 rows affected (0.09 sec)

Records: 5 Duplicates: 0 Warnings: 0

MariaDB [employee]> select \* from emp;

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

| emp\_no | emp\_name | emp\_dept | emp\_sal |

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

| 1 | shivam | testing | 40000 |

| 2 | shyam | coding | 40000 |

| 3 | ram | management | 30000 |

| 4 | akash | management | 30000 |

| 5 | shiva | designing | 35000 |

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

5 rows in set (0.00 sec)

MariaDB [employee]> rename table emp to emptable;

Query OK, 0 rows affected (0.02 sec)

MariaDB [employee]> select \* from emptable;

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

| emp\_no | emp\_name | emp\_dept | emp\_sal |

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

| 1 | shivam | testing | 40000 |

| 2 | shyam | coding | 40000 |

| 3 | ram | management | 30000 |

| 4 | akash | management | 30000 |

| 5 | shiva | designing | 35000 |

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

5 rows in set (0.00 sec)

MariaDB [employee]> create table emp1 as select emp\_no,emp\_name from emptable;

Query OK, 5 rows affected (0.05 sec)

Records: 5 Duplicates: 0 Warnings: 0

MariaDB [employee]> select \* from emp1;

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

| emp\_no | emp\_name |

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

| 1 | shivam |

| 2 | shyam |

| 3 | ram |

| 4 | akash |

| 5 | shiva |

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

5 rows in set (0.00 sec)

MariaDB [employee]> truncate table emp1;

Query OK, 0 rows affected (0.02 sec)

MariaDB [employee]> select \* from emp1;

Empty set (0.00 sec)

MariaDB [employee]> drop table emp1;

Query OK, 0 rows affected (0.02 sec)

MariaDB [employee]> select \* from emp1;

ERROR 1146 (42S02): Table 'employee.emp1' doesn't exist

MariaDB [employee]> create view emp2 as select\* from emptable;

Query OK, 0 rows affected (0.05 sec)

MariaDB [employee]> create view emp3 as select \* from emptable where emp\_sal>30000;

Query OK, 0 rows affected (0.04 sec)

MariaDB [employee]> select \* from emp3;

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

| emp\_no | emp\_name | emp\_dept | emp\_sal |

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

| 1 | shivam | testing | 40000 |

| 2 | shyam | coding | 40000 |

| 5 | shiva | designing | 35000 |

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

3 rows in set (0.00 sec)

MariaDB [employee]> update emp3 set emp\_sal=45000 where emp\_no=1;

Query OK, 1 row affected (0.02 sec)

Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [employee]> select\* from emp3;

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

| emp\_no | emp\_name | emp\_dept | emp\_sal |

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

| 1 | shivam | testing | 45000 |

| 2 | shyam | coding | 40000 |

| 5 | shiva | designing | 35000 |

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

3 rows in set (0.00 sec)

MariaDB [employee]> drop view emp2;

Query OK, 0 rows affected (0.00 sec)

MariaDB [employee]> create index emp\_ind on emptable(emp\_no,emp\_name);

Query OK, 0 rows affected (0.09 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [employee]> create unique index emp\_ind2 on emptable(emp\_name);

Query OK, 0 rows affected (0.08 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [employee]> show index from emptable;

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

| Table | Non\_unique | Key\_name | Seq\_in\_index | Column\_name | Collation | Cardinality | Sub\_part | Packed | Null | Index\_type | Comment | Index\_comment |

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

| emptable | 0 | emp\_ind2 | 1 | emp\_name | A | 5 | NULL | NULL | YES | BTREE | | |

| emptable | 1 | emp\_ind | 1 | emp\_no | A | 5 | NULL | NULL | YES | BTREE | | |

| emptable | 1 | emp\_ind | 2 | emp\_name | A | 5 | NULL | NULL | YES | BTREE | | |

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

3 rows in set (0.00 sec)

MariaDB [employee]> drop index emp\_ind2 on emptable;

Query OK, 0 rows affected (0.06 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [employee]> show index from emptable;

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

| Table | Non\_unique | Key\_name | Seq\_in\_index | Column\_name | Collation | Cardinality | Sub\_part | Packed | Null | Index\_type | Comment | Index\_comment |

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

| emptable | 1 | emp\_ind | 1 | emp\_no | A | 5 | NULL | NULL | YES | BTREE | | |

| emptable | 1 | emp\_ind | 2 | emp\_name | A | 5 | NULL | NULL | YES | BTREE | | |

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

2 rows in set (0.00 sec)