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DBMS LAB – 1

1.)Done

2.)use db;
i.)CREATE TABLE EMP(EMPNO INT, ENAME VARCHAR(20) NOT NULL, JOB VARCHAR(10) NOT NULL, DEPTNO INT, SAL INT);
DESC EMP;

```
+--------+-------------+------+-----+---------+-------+
| Field  | Type        | Null | Key | Default | Extra |
+--------+-------------+------+-----+---------+-------+
| EMPNO  | int         | YES  |     | NULL    |       |
| ENAME  | varchar(20) | NO   |     | NULL    |       |
| JOB    | varchar(10) | YES  |     | NULL    |       |
| DEPTNO | int         | YES  |     | NULL    |       |
| SAL    | int         | YES  |     | NULL    |       |
+--------+-------------+------+-----+---------+-------+
```

ii.)ALTER TABLE EMP ADD experience INT;
DESC EMP;

```
+------------+-------------+------+-----+---------+-------+
| Field      | Type        | Null | Key | Default | Extra |
+------------+-------------+------+-----+---------+-------+
| EMPNO      | int         | YES  |     | NULL    |       |
| ENAME      | varchar(20) | NO   |     | NULL    |       |
| JOB        | varchar(10) | NO   |     | NULL    |       |
| DEPTNO     | int         | YES  |     | NULL    |       |
| SAL        | int         | YES  |     | NULL    |       |
| experience | int         | YES  |     | NULL    |       |
+------------+-------------+------+-----+---------+-------+
```

iii.)ALTER TABLE EMP MODIFY JOB VARCHAR(15);
DESC EMP;

```
+--------+-------------+------+-----+---------+-------+
| Field  | Type        | Null | Key | Default | Extra |
+--------+-------------+------+-----+---------+-------+
| EMPNO  | int         | YES  |     | NULL    |       |
| ENAME  | varchar(20) | NO   |     | NULL    |       |
| JOB    | varchar(15) | YES  |     | NULL    |       |
| DEPTNO | int         | YES  |     | NULL    |       |
| SAL    | int         | YES  |     | NULL    |       |
+--------+-------------+------+-----+---------+-------+
```

iv.)CREATE TABLE dept(DEPTNO INT, DNAME VARCHAR(10), LOC VARCHAR(10));
DESC dept;

```
+--------+-------------+------+-----+---------+-------+
| Field  | Type        | Null | Key | Default | Extra |
+--------+-------------+------+-----+---------+-------+
| DEPTNO | int         | YES  |     | NULL    |       |
| DNAME  | varchar(10) | YES  |     | NULL    |       |
| LOC    | varchar(10) | YES  |     | NULL    |       |
+--------+-------------+------+-----+---------+-------+
```

v.)ALTER TABLE EMP DROP COLUMN experience;
DESC EMP;

```
+--------+-------------+------+-----+---------+-------+
| Field  | Type        | Null | Key | Default | Extra |
+--------+-------------+------+-----+---------+-------+
| EMPNO  | int         | YES  |     | NULL    |       |
| ENAME  | varchar(20) | NO   |     | NULL    |       |
| JOB    | varchar(10) | YES  |     | NULL    |       |
| DEPTNO | int         | YES  |     | NULL    |       |
| SAL    | int         | YES  |     | NULL    |       |
+--------+-------------+------+-----+---------+-------+
```

3.)
i.)INSERT INTO dept (DEPTNO,DNAME,LOC) VALUES (1,'soma','ZIRCON');
SELECT * FROM dept;

```
+--------+-------+--------+
| DEPTNO | DNAME | LOC    |
+--------+-------+--------+
|      1 | soma  | ZIRCON |
+--------+-------+--------+
```

ii.)INSERT INTO EMP VALUES(1,'soma','j1',1,2),(2,'jaman','j2',2,3) ;
SELECT * FROM EMP;

```
+-------+-------+------+--------+------+
| EMPNO | ENAME | JOB  | DEPTNO | SAL  |
+-------+-------+------+--------+------+
|     1 | soma  | j1   |      1 |    2 |
|     2 | jaman | j2   |      2 |    3 |
+-------+-------+------+--------+------+
```

iii.)SELECT ENAME,JOB FROM EMP;

```
+-------+------+
| ENAME | JOB  |
+-------+------+
| soma  | j1   |
| jaman | j2   |
+-------+------+
```

4.)TRUNCATE EMP;
DROP TABLE dept;

5.)
i.)create user dbuser identified by "ABcd@123";
ii.)create database mysampledb;
use mysampledb;
iii.)GRANT ALL ON mysampledb TO dbuser;

6.)
REVOKE ALL ON mysampledb FROM dbuser;
i.)create user dbuser1 identified by "Soma@21";
ii.)GRANT SELECT ON EMP TO dbuser1;
iii.)REVOKE SELECT ON EMP FROM dbuser1;