Lab 03:

MariaDB [(none)]> create database CollMgmtSys;

Query OK, 1 row affected (0.003 sec)

MariaDB [(none)]> show databases;

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

| Database |

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

| collmgmtsys |

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

8 rows in set (0.000 sec)

MariaDB [(none)]> use collmgmtsys;

Database changed

MariaDB [collmgmtsys]> CREATE TABLE Student (Snum int primary key, Name char(20), Major char(10), Level char(20), Age int );

Query OK, 0 rows affected (0.023 sec)

MariaDB [collmgmtsys]> describe student;

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

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

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

| Snum | int(11) | NO | PRI | NULL | |

| Name | char(20) | YES | | NULL | |

| Major | char(10) | YES | | NULL | |

| Level | char(20) | YES | | NULL | |

| Age | int(11) | YES | | NULL | |

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

5 rows in set (0.021 sec)

MariaDB [collmgmtsys]> Insert Into student(Snum,Name,Major,Level,Age)

-> values(101,'Susan Gurung','Software','Bachelor',24);

Query OK, 1 row affected (0.004 sec)

MariaDB [collmgmtsys]> Insert Into student(Snum,Name,Major,Level,Age)

-> values(102,'Sam KC','Computer','Bachelor',23);

Query OK, 1 row affected (0.003 sec)

MariaDB [collmgmtsys]> Insert Into student(Snum,Name,Major,Level,Age)

-> values(103,'Hari Rai','Electronics','Masters',25);

Query OK, 1 row affected, 1 warning (0.003 sec)

MariaDB [collmgmtsys]> Insert Into student(Snum,Name,Major,Level,Age)

-> values(104,'Gopal Shrestha','Software','Bachelor',26);

Query OK, 1 row affected (0.003 sec)

MariaDB [collmgmtsys]> select \* from student;

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

| Snum | Name | Major | Level | Age |

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

| 101 | Susan Gurung | Software | Bachelor | 24 |

| 102 | Sam KC | Computer | Bachelor | 23 |

| 103 | Hari Rai | Electronic | Masters | 25 |

| 104 | Gopal Shrestha | Software | Bachelor | 26 |

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

4 rows in set (0.000 sec)

MariaDB [collmgmtsys]> create table class( Name char(10),Time varchar(5),Room varchar(3),Fid varchar(5));

Query OK, 0 rows affected (0.020 sec)

MariaDB [collmgmtsys]> describe class;

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

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

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

| Name | char(10) | YES | | NULL | |

| Time | varchar(5) | YES | | NULL | |

| Room | varchar(3) | YES | | NULL | |

| Fid | varchar(5) | YES | | NULL | |

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

4 rows in set (0.019 sec)

MariaDB [collmgmtsys]> Insert Into class(Name,Time,Room,Fid)

-> values('C++','M9-10','R3','F501');

Query OK, 1 row affected (0.001 sec)

MariaDB [collmgmtsys]> Insert Into class(Name,Time,Room,Fid)

-> values('MATHS','M8-9','R4','F505');

Query OK, 1 row affected (0.002 sec)

MariaDB [collmgmtsys]> Insert Into class(Name,Time,Room,Fid)

-> values('C++','E5-6','R7','F501');

Query OK, 1 row affected (0.003 sec)

MariaDB [collmgmtsys]> Insert Into class(Name,Time,Room,Fid)

-> values('PHYSICS','E5-6','R6','F508');

Query OK, 1 row affected (0.005 sec)

MariaDB [collmgmtsys]> select \* from class;

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

| Name | Time | Room | Fid |

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

| C++ | M9-10 | R3 | F501 |

| MATHS | M8-9 | R4 | F505 |

| C++ | E5-6 | R7 | F501 |

| PHYSICS | E5-6 | R6 | F508 |

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

4 rows in set (0.000 sec)

MariaDB [collmgmtsys]> create table enrolled(Snum int,Classname char(10));

Query OK, 0 rows affected (0.021 sec)

MariaDB [collmgmtsys]> describe enrolled;

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

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

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

| Snum | int(11) | YES | | NULL | |

| Classname | char(10) | YES | | NULL | |

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

2 rows in set (0.022 sec)

MariaDB [collmgmtsys]> Insert Into enrolled(Snum,Classname)

-> values(101,'C++');

Query OK, 1 row affected (0.002 sec)

MariaDB [collmgmtsys]> Insert Into enrolled(Snum,Classname)

-> values(102,'C++');

Query OK, 1 row affected (0.002 sec)

MariaDB [collmgmtsys]> Insert Into enrolled(Snum,Classname)

-> values(103,'PHYSICS');

Query OK, 1 row affected (0.004 sec)

MariaDB [collmgmtsys]> Insert Into enrolled(Snum,Classname)

-> values(104,'MATHS');

Query OK, 1 row affected (0.001 sec)

MariaDB [collmgmtsys]> select \* from enrolled;

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

| Snum | Classname |

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

| 101 | C++ |

| 102 | C++ |

| 103 | PHYSICS |

| 104 | MATHS |

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

4 rows in set (0.000 sec)

MariaDB [collmgmtsys]> create table Faculty(Fid varchar(5) primary key,Name char(20),Dept char(20));

Query OK, 0 rows affected (0.023 sec)

MariaDB [collmgmtsys]> describe Faculty;

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

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

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

| Fid | varchar(5) | NO | PRI | NULL | |

| Name | char(20) | YES | | NULL | |

| Dept | char(20) | YES | | NULL | |

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

3 rows in set (0.020 sec)

MariaDB [collmgmtsys]> Insert Into Faculty(Fid,Name,Dept)

-> values('F501','B.Shrestha','Computer');

Query OK, 1 row affected (0.003 sec)

MariaDB [collmgmtsys]> Insert Into Faculty(Fid,Name,Dept)

-> values('F505','R.Thapa','Maths');

Query OK, 1 row affected (0.003 sec)

MariaDB [collmgmtsys]> Insert Into Faculty(Fid,Name,Dept)

-> values('F508','S.Tamrakar','Computer');

Query OK, 1 row affected (0.003 sec)

MariaDB [collmgmtsys]> Insert Into Faculty(Fid,Name,Dept)

-> values('F509','P.Acharya','Science');

Query OK, 1 row affected (0.001 sec)

MariaDB [collmgmtsys]> select \* from faculty;

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

| Fid | Name | Dept |

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

| F501 | B.Shrestha | Computer |

| F505 | R.Thapa | Maths |

| F508 | S.Tamrakar | Computer |

| F509 | P.Acharya | Science |

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

4 rows in set (0.000 sec)