#Create database student:

mysql> create database student;

Query OK, 1 row affected (0.00 sec)

mysql> show databases;

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

| Database |

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

| information\_schema |

| mysql |

| performance\_schema |

| student |

| test |

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

5 rows in set (0.01 sec)

mysql> use student;

Database changed

mysql> create table student(S\_no int(1),Stud\_name varchar(15),Reg\_no int(15),Gender char(1),DOB Date);

Query OK, 0 rows affected (0.02 sec)

mysql> desc student;

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

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

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

| S\_no | int(1) | YES | | NULL | |

| Stud\_name | varchar(15) | YES | | NULL | |

| Reg\_no | int(15) | YES | | NULL | |

| Gender | char(1) | YES | | NULL | |

| DOB | date | YES | | NULL | |

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

5 rows in set (0.01 sec)

mysql> insert into student value(1,'vishwa',192221043,'M','2004-09-12');

Query OK, 1 row affected (0.01 sec)

mysql> insert into student value(2,'sakthi',192221047,'F','2004-11-05');

Query OK, 1 row affected (0.00 sec)

mysql> insert into student value(3,'madhan',192221042,'M','2005-03-03');

Query OK, 1 row affected (0.00 sec)

mysql> insert into student value(4,'varshika',192225002,'F','2003-08-07');

Query OK, 1 row affected (0.00 sec)

mysql> select \*from student;

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

| S\_no | Stud\_name | Reg\_no | Gender | DOB |

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

| 1 | vishwa | 192221043 | M | 2004-09-12 |

| 2 | sakthi | 192221047 | F | 2004-11-05 |

| 3 | madhan | 192221042 | M | 2005-03-03 |

| 4 | varshika | 192225002 | F | 2003-08-07 |

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

4 rows in set (0.00 sec)

#List of Female students:

mysql> select \*from student where gender='F';

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

| S\_no | Stud\_name | Reg\_no | Gender | DOB |

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

| 2 | sakthi | 192221047 | F | 2004-11-05 |

| 4 | varshika | 192225002 | F | 2003-08-07 |

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

2 rows in set (0.00 sec)

#Create database course:

mysql> create database course;

Query OK, 1 row affected (0.00 sec)

mysql> show databases;

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

| Database |

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

| information\_schema |

| course |

| mysql |

| performance\_schema |

| student |

| test |

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

6 rows in set (0.00 sec)

mysql> use course;

Database changed

mysql> create table course(S\_no int(1),Stud\_name varchar(15),Reg\_no int(15),Gender char(1),Course\_no varchar(10),DOB Date);

Query OK, 0 rows affected (0.01 sec)

mysql> desc course;

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

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

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

| S\_no | int(1) | YES | | NULL | |

| Stud\_name | varchar(15) | YES | | NULL | |

| Reg\_no | int(15) | YES | | NULL | |

| Gender | char(1) | YES | | NULL | |

| Course\_no | varchar(10) | YES | | NULL | |

| DOB | date | YES | | NULL | |

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

6 rows in set (0.01 sec)

mysql> insert into course value(1,'vishwa',192221043,'M','C002','2004-09-12');

Query OK, 1 row affected (0.00 sec)

mysql> insert into course value(2,'sakthi',192221047,'F','C001','2004-11-05');

Query OK, 1 row affected (0.00 sec)

mysql> insert into course value(3,'madhan',192221042,'M','C002','2005-03-03');

Query OK, 1 row affected (0.00 sec)

mysql> insert into course value(4,'varshika',192225002,'F','C001','2003-08-07');

Query OK, 1 row affected (0.00 sec)

mysql> select \*from course;

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

| S\_no | Stud\_name | Reg\_no | Gender | Course\_no | DOB |

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

| 1 | vishwa | 192221043 | M | C002 | 2004-09-12 |

| 2 | sakthi | 192221047 | F | C001 | 2004-11-05 |

| 3 | madhan | 192221042 | M | C002 | 2005-03-03 |

| 4 | varshika | 192225002 | F | C001 | 2003-08-07 |

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

4 rows in set (0.00 sec)

#Select the course no with C001;

mysql> select \*from course where Course\_no='C001';

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

| S\_no | Stud\_name | Reg\_no | Gender | Course\_no | DOB |

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

| 2 | sakthi | 192221047 | F | C001 | 2004-11-05 |

| 4 | varshika | 192225002 | F | C001 | 2003-08-07 |

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

2 rows in set (0.00 sec)

#Create database faculty:

mysql> create database faculty;

Query OK, 1 row affected (0.00 sec)

mysql> show databases;

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

| Database |

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

| information\_schema |

| course |

| faculty |

| mysql |

| performance\_schema |

| student |

| test |

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

7 rows in set (0.00 sec)

mysql> use faculty;

Database changed

mysql> create table faculty(S\_no int(1),Fact\_name varchar(15),Fact\_no varchar(10),DOB Date,DOJ Date,Dept\_name varchar(15),Age int(2),Mobile\_no varchar(15));

Query OK, 0 rows affected (0.01 sec)

mysql> desc faculty;

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

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

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

| S\_no | int(1) | YES | | NULL | |

| Fact\_name | varchar(15) | YES | | NULL | |

| Fact\_no | varchar(10) | YES | | NULL | |

| DOB | date | YES | | NULL | |

| DOJ | date | YES | | NULL | |

| Dept\_name | varchar(15) | YES | | NULL | |

| Age | int(2) | YES | | NULL | |

| Mobile\_no | varchar(15) | YES | | NULL | |

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

8 rows in set (0.02 sec)

mysql> insert into faculty value(1,'murphy',2004,'2000-09-24','2021-08-20','PHYSICS',22,9544353361);

Query OK, 1 row affected (0.00 sec)

mysql> insert into faculty value(2,'kavitha',2076,'2002-08-22','2022-08-23','PHYSICS',20,7904298170);

Query OK, 1 row affected (0.00 sec)

mysql> insert into faculty value(3,'lokesh',1786,'1997-03-21','2020-04-23','ETHICS',25,9597100354);

Query OK, 1 row affected (0.00 sec)

mysql> insert into faculty value(4,'seetha',1502,'1990-05-11','2015-11-18','MATHS',32,9944353163);

Query OK, 1 row affected (0.00 sec)

mysql> select \*from faculty;

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

| S\_no | Fact\_name | Fact\_no | DOB | DOJ | Dept\_name | Age | Mobile\_no |

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

| 1 | murphy | 2004 | 2000-09-24 | 2021-08-20 | PHYSICS | 22 | 9544353361 |

| 2 | kavitha | 2076 | 2002-08-22 | 2022-08-23 | PHYSICS | 20 | 7904298170 |

| 3 | lokesh | 1786 | 1997-03-21 | 2020-04-23 | ETHICS | 25 | 9597100354 |

| 4 | seetha | 1502 | 1990-05-11 | 2015-11-18 | MATHS | 32 | 9944353163 |

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

4 rows in set (0.00 sec)

#Select the faculty;

mysql> select\*from faculty where DOJ<"2021-11-01";

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

| S\_no | Fact\_name | Fact\_no | DOB | DOJ | Dept\_name | Age | Mobile\_no |

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

| 1 | murphy | 2004 | 2000-09-24 | 2021-08-20 | PHYSICS | 22 | 9544353361 |

| 3 | lokesh | 1786 | 1997-03-21 | 2020-04-23 | ETHICS | 25 | 9597100354 |

| 4 | seetha | 1502 | 1990-05-11 | 2015-11-18 | MATHS | 32 | 9944353163 |

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

3 rows in set (0.00 sec)

#Student with string "ma":

mysql> use student;

Database changed

mysql> select \* from student where Stud\_name like'%ma';

Empty set (0.00 sec)

#Student name with six characters:

mysql> select \*from student where char\_length(Stud\_name) !=6;

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

| S\_no | Stud\_name | Reg\_no | Gender | DOB |

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

| 4 | varshika | 192225002 | F | 2003-08-07 |

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

1 row in set (0.00 sec)

#Student with string "th":

mysql> use faculty;

Database changed

mysql> select \* from faculty where Fact\_name like'%th';

Empty set (0.00 sec)