mysql> use college\_students;

Database changed

mysql> create table college\_students(Regno int(3),Studentname varchar(15),gender char(1),Dateofbirth DATE,Mobileno int(10),City varchar(15));

Query OK, 0 rows affected (0.00 sec)

mysql> desc college\_students;

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

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

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

| Regno | int(3) | YES | | NULL | |

| Studentname | varchar(15) | YES | | NULL | |

| gender | char(1) | YES | | NULL | |

| Dateofbirth | date | YES | | NULL | |

| Mobileno | int(10) | YES | | NULL | |

| City | varchar(15) | YES | | NULL | |

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

6 rows in set (0.00 sec)

mysql> alter table college\_students

-> ADD PRIMARY KEY(Regno);

Query OK, 0 rows affected (0.01 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc college\_students;

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

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

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

| Regno | int(3) | NO | PRI | 0 | |

| Studentname | varchar(15) | YES | | NULL | |

| gender | char(1) | YES | | NULL | |

| Dateofbirth | date | YES | | NULL | |

| Mobileno | int(10) | YES | | NULL | |

| City | varchar(15) | YES | | NULL | |

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

6 rows in set (0.01 sec)

mysql> alter table college\_students

-> ADD CHECK (gender = 'm' or 'f')

-> desc college\_students;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'desc college\_students' at line 3

mysql> describe college\_students;

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

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

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

| Regno | int(3) | NO | PRI | 0 | |

| Studentname | varchar(15) | YES | | NULL | |

| gender | char(1) | YES | | NULL | |

| Dateofbirth | date | YES | | NULL | |

| Mobileno | int(10) | YES | | NULL | |

| City | varchar(15) | YES | | NULL | |

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

6 rows in set (0.01 sec)

mysql> alter table college\_students

-> modify studentname varchar(15) primary key;

ERROR 1068 (42000): Multiple primary key defined

mysql> describe college\_students;

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

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

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

| Regno | int(3) | NO | PRI | 0 | |

| Studentname | varchar(15) | YES | | NULL | |

| gender | char(1) | YES | | NULL | |

| Dateofbirth | date | YES | | NULL | |

| Mobileno | int(10) | YES | | NULL | |

| City | varchar(15) | YES | | NULL | |

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

mysql> use hospital;

Database changed

mysql> desc hospital;

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

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

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

| ID | int(9) | NO | PRI | 0 | |

| name | varchar(20) | YES | | NULL | |

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

2 rows in set (0.01 sec)

mysql> create table doctor (patient\_ID int(9), name varchar(20));

Query OK, 0 rows affected (0.01 sec)

mysql> desc doctor;

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

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

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

| patient\_ID | int(9) | YES | | NULL | |

| name | varchar(20) | YES | | NULL | |

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

2 rows in set (0.01 sec)

mysql> alter table doctor add foreign key (patient\_ID) references hospital (ID);

Query OK, 0 rows affected (0.01 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc hospital;

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

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

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

| ID | int(9) | NO | PRI | 0 | |

| name | varchar(20) | YES | | NULL | |

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

2 rows in set (0.00 sec)

mysql> desc hospital;

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

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

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

| ID | int(9) | NO | PRI | 0 | |

| name | varchar(20) | YES | | NULL | |

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

2 rows in set (0.01 sec)

mysql> desc doctor;

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

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

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

| patient\_ID | int(9) | YES | MUL | NULL | |

| name | varchar(20) | YES | | NULL | |

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

2 rows in set (0.01 sec)