Assignment 4:

[admin@localhost ~]$ su

Password:

[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 2

Server version: 5.5.33a-MariaDB MariaDB Server

Copyright (c) 2000, 2013, Oracle, Monty Program Ab and others.

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

MariaDB [(none)]> show databases;

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

| Database |

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

| information\_schema |

| book |

| class |

| college |

| dbms\_prac7 |

| employe |

| lib |

| library |

| mysql |

| performance\_schema |

| secomp |

| student |

| tecomp |

| test |

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

14 rows in set (0.13 sec)

MariaDB [(none)]> create database shraddha;

Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> show databases;

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

| Database |

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

| information\_schema |

| book |

| class |

| college |

| dbms\_prac7 |

| employe |

| lib |

| library |

| mysql |

| performance\_schema |

| secomp |

| shraddha |

| student |

| tecomp |

| test |

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

15 rows in set (0.00 sec)

MariaDB [(none)]> use shraddha;

Database changed

MariaDB [shraddha]> create table stud(rollno int(10),name char(15),branch char(20));

Query OK, 0 rows affected (0.07 sec)

MariaDB [shraddha]> create table stud\_info(rollno int(10),marks int(10), mobile int(20));

Query OK, 0 rows affected (0.07 sec)

MariaDB [shraddha]> show tables;

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

| Tables\_in\_shraddha |

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

| stud |

| stud\_info |

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

2 rows in set (0.00 sec)

MariaDB [shraddha]> desc stud;

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

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

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

| rollno | int(10) | YES | | NULL | |

| name | char(15) | YES | | NULL | |

| branch | char(20) | YES | | NULL | |

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

3 rows in set (0.03 sec)

MariaDB [shraddha]> desc stud\_info;

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

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

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

| rollno | int(10) | YES | | NULL | |

| marks | int(10) | YES | | NULL | |

| mobile | int(20) | YES | | NULL | |

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

3 rows in set (0.00 sec)

MariaDB [shraddha]> alter table stud add primary key(rollno);

Query OK, 0 rows affected (0.09 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [shraddha]> desc stud;

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

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

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

| rollno | int(10) | NO | PRI | 0 | |

| name | char(15) | YES | | NULL | |

| branch | char(20) | YES | | NULL | |

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

3 rows in set (0.00 sec)

MariaDB [shraddha]> insert into stud values(1,'shraddha','computer');

Query OK, 1 row affected (0.02 sec)

MariaDB [shraddha]> insert into stud values(2,'sayali','computer');

Query OK, 1 row affected (0.01 sec)

MariaDB [shraddha]> insert into stud values(3,'aarti','entc');

Query OK, 1 row affected (0.02 sec)

MariaDB [shraddha]> insert into stud\_info values(1,20,12345678910);

Query OK, 1 row affected, 1 warning (0.02 sec)

MariaDB [shraddha]> insert into stud\_info values(2,20,12345558910);

Query OK, 1 row affected, 1 warning (0.03 sec)

MariaDB [shraddha]> insert into stud\_info values(3,19,1243558910);

Query OK, 1 row affected (0.01 sec)

MariaDB [shraddha]> insert into stud\_info values(4,19,1277558910);

Query OK, 1 row affected (0.02 sec)

MariaDB [shraddha]> select stud.rollno,stud.name,stud\_info.marks from stud inner join stud\_info on stud.rollno=stud\_info.rollno;

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

| rollno | name | marks |

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

| 1 | shraddha | 20 |

| 2 | sayali | 20 |

| 3 | aarti | 19 |

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

3 rows in set (0.00 sec)

MariaDB [shraddha]> select stud.rollno,stud.name,stud\_info.marks from stud left outer join stud\_info on stud.rollno=stud\_info.rollno;

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

| rollno | name | marks |

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

| 1 | shraddha | 20 |

| 2 | sayali | 20 |

| 3 | aarti | 19 |

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

3 rows in set (0.00 sec)

MariaDB [shraddha]> select stud.rollno,stud.name,stud\_info.marks from stud right outer join stud\_info on stud.rollno=stud\_info.rollno;

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

| rollno | name | marks |

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

| 1 | shraddha | 20 |

| 2 | sayali | 20 |

| 3 | aarti | 19 |

| NULL | NULL | 19 |

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

4 rows in set (0.00 sec)

MariaDB [shraddha]> select stud.rollno,stud.name,stud\_info.marks from stud right outer join stud\_info on stud.rollno=stud\_info.rollno union select stud.rollno,stud.name,stud\_info.marks from stud left outer join stud\_info on stud.rollno=stud\_info.rollno;

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

| rollno | name | marks |

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

| 1 | shraddha | 20 |

| 2 | sayali | 20 |

| 3 | aarti | 19 |

| NULL | NULL | 19 |

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

4 rows in set (0.00 sec)

MariaDB [shraddha]> create table branch(branchid int(10),b\_name char(15),intake int(20));

Query OK, 0 rows affected (0.06 sec)

MariaDB [shraddha]> desc branch;

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

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

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

| branchid | int(10) | YES | | NULL | |

| b\_name | char(15) | YES | | NULL | |

| intake | int(20) | YES | | NULL | |

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

3 rows in set (0.00 sec)

MariaDB [shraddha]> desc stud;

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

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

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

| rollno | int(10) | NO | PRI | 0 | |

| name | char(15) | YES | | NULL | |

| branch | char(20) | YES | | NULL | |

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

3 rows in set (0.00 sec)

MariaDB [shraddha]> alter table branch add primary key(branchid);

Query OK, 0 rows affected (0.08 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [shraddha]> desc branch;

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

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

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

| branchid | int(10) | NO | PRI | 0 | |

| b\_name | char(15) | YES | | NULL | |

| intake | int(20) | YES | | NULL | |

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

3 rows in set (0.01 sec)

MariaDB [shraddha]> create table stud1(rollno int(10),name char(15),branchid int(20));

Query OK, 0 rows affected (0.05 sec)

MariaDB [shraddha]> desc stud1;

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

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

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

| rollno | int(10) | YES | | NULL | |

| name | char(15) | YES | | NULL | |

| branchid | int(20) | YES | | NULL | |

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

3 rows in set (0.00 sec)

MariaDB [shraddha]> alter table stud1 add constraint fk1 foreign key(branchid)references branch(branchid);

Query OK, 0 rows affected (0.09 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [shraddha]> desc stud1;

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

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

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

| rollno | int(10) | YES | | NULL | |

| name | char(15) | YES | | NULL | |

| branchid | int(20) | YES | MUL | NULL | |

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

3 rows in set (0.00 sec)

MariaDB [shraddha]> insert into branch values(001,'computer',60);

Query OK, 1 row affected (0.01 sec)

MariaDB [shraddha]> insert into branch values(002,'entc',60);

Query OK, 1 row affected (0.02 sec)

MariaDB [shraddha]> insert into branch values(003,'it',60);

Query OK, 1 row affected (0.01 sec)

MariaDB [shraddha]> insert into stud1 values(1,'shraddha',001);

Query OK, 1 row affected (0.03 sec)

MariaDB [shraddha]> insert into stud1 values(2,'sayali',001);

Query OK, 1 row affected (0.02 sec)

MariaDB [shraddha]> insert into stud1 values(3,'aarti',002);

Query OK, 1 row affected (0.02 sec)

MariaDB [shraddha]> insert into stud1 values(4,'pratiksha',003);

Query OK, 1 row affected (0.01 sec)

MariaDB [shraddha]> select \* from stud1;

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

| rollno | name | branchid |

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

| 1 | shraddha | 1 |

| 2 | sayali | 1 |

| 3 | aarti | 2 |

| 4 | pratiksha | 3 |

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

4 rows in set (0.00 sec)

MariaDB [shraddha]> select \* from branch;

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

| branchid | b\_name | intake |

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

| 1 | computer | 60 |

| 2 | entc | 60 |

| 3 | it | 60 |

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

3 rows in set (0.00 sec)

MariaDB [shraddha]> create view mul\_view as select stud1.rollno,stud1.name,branch.b\_name from stud1,branch where stud1.branchid=branch.branchid;

Query OK, 0 rows affected (0.04 sec)

MariaDB [shraddha]> select \* from mul\_view;

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

| rollno | name | b\_name |

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

| 1 | shraddha | computer |

| 2 | sayali | computer |

| 3 | aarti | entc |

| 4 | pratiksha | it |

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

4 rows in set (0.00 sec)

**ASSIGNMENT-**

MariaDB [shraddha]> create table physician(reg\_no int(20),name char(20),tel\_no int(20),city char(15));

Query OK, 0 rows affected (0.05 sec)

MariaDB [shraddha]> alter table physician add primary key(reg\_no);

Query OK, 0 rows affected (0.08 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [shraddha]> desc physician;

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

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

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

| reg\_no | int(20) | NO | PRI | 0 | |

| name | char(20) | YES | | NULL | |

| tel\_no | int(20) | YES | | NULL | |

| city | char(15) | YES | | NULL | |

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

4 rows in set (0.00 sec)

MariaDB [shraddha]> create table patient(p\_id int(20),p\_name char(20),street char(20),city char(15));

Query OK, 0 rows affected (0.05 sec)

MariaDB [shraddha]> alter table patient add primary key(p\_id);

Query OK, 0 rows affected (0.08 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [shraddha]> desc patient;

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

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

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

| p\_id | int(20) | NO | PRI | 0 | |

| p\_name | char(20) | YES | | NULL | |

| street | char(20) | YES | | NULL | |

| city | char(15) | YES | | NULL | |

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

4 rows in set (0.00 sec)

MariaDB [shraddha]> create table visit(p\_id int(20),reg\_no int(20),date\_of\_visit date,fees int(20));

Query OK, 0 rows affected (0.06 sec)

MariaDB [shraddha]> alter table visit add constraint fk2 foreign key(p\_id)references patient(p\_id);

Query OK, 0 rows affected (0.07 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [shraddha]> alter table visit add constraint fk3 foreign key(reg\_no)references physician(reg\_no);

Query OK, 0 rows affected (0.07 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [shraddha]> desc visit;

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

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

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

| p\_id | int(20) | YES | MUL | NULL | |

| reg\_no | int(20) | YES | MUL | NULL | |

| date\_of\_visit | date | YES | | NULL | |

| fees | int(20) | YES | | NULL | |

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

4 rows in set (0.01 sec)

MariaDB [shraddha]> insert into visit values(1,101,'2017-07-13',4000);

Query OK, 1 row affected (0.00 sec)

MariaDB [shraddha]> select \* from visit;

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

| p\_id | reg\_no | date\_of\_visit | fees |

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

| 1 | 101 | 2017-07-13 | 4000 |

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

1 row in set (0.00 sec)

MariaDB [shraddha]> insert into visit values(2,102,'2017-07-20',5000);Query OK, 1 row affected (0.06 sec)

MariaDB [shraddha]> insert into visit values(3,103,'2017-07-12',5500);Query OK, 1 row affected (0.01 sec)

MariaDB [shraddha]> select \* from visit;

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

| p\_id | reg\_no | date\_of\_visit | fees |

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

| 1 | 101 | 2017-07-13 | 4000 |

| 2 | 102 | 2017-07-20 | 5000 |

| 3 | 103 | 2017-07-12 | 5500 |

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

3 rows in set (0.00 sec)

MariaDB [shraddha]> alter table visit add constraint fk3 foreign key(reg\_no)references physician(reg\_no);

Query OK, 0 rows affected (0.09 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [shraddha]> desc visit;

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

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

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

| p\_id | int(20) | YES | MUL | NULL | |

| reg\_no | int(20) | YES | MUL | NULL | |

| date\_of\_visit | date | YES | | NULL | |

| fees | char(20) | YES | | NULL | |

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

4 rows in set (0.02 sec)

MariaDB [shraddha]> insert into physician values(101,'shraddha',123456789,'pune');

Query OK, 1 row affected (0.02 sec)

MariaDB [shraddha]> insert into physician values(102,'sayali',123456789,'pune city');

Query OK, 1 row affected (0.03 sec)

MariaDB [shraddha]> insert into physician values(103,'aarti',1289756789,'junnar');

Query OK, 1 row affected (0.02 sec)

MariaDB [shraddha]> select \* from physician;

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

| reg\_no | name | tel\_no | city |

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

| 101 | shraddha | 123456789 | pune |

| 102 | sayali | 123456789 | pune city |

| 103 | aarti | 1289756789 | junnar |

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

3 rows in set (0.00 sec)

MariaDB [shraddha]> insert into patient values(1,'shraddha','fc','pune');Query OK, 1 row affected (0.01 sec)

MariaDB [shraddha]> insert into patient values(2,'sayali','modern','pune city');

Query OK, 1 row affected (0.02 sec)

MariaDB [shraddha]> insert into patient values(3,'aarti','m.g','junnar');Query OK, 1 row affected (0.02 sec)

MariaDB [shraddha]> select \* from patient;

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

| p\_id | p\_name | street | city |

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

| 1 | shraddha | fc | pune |

| 2 | sayali | modern | pune city |

| 3 | aarti | m.g | junnar |

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

3 rows in set (0.01 sec)

MariaDB [shraddha]> insert into physician values(101,'shraddha',123456789,'pune');

Query OK, 1 row affected (0.02 sec)

MariaDB [shraddha]> insert into physician values(102,'sayali',123456789,'pune city');

Query OK, 1 row affected (0.03 sec)

MariaDB [shraddha]> insert into physician values(103,'aarti',1289756789,'junnar');

Query OK, 1 row affected (0.02 sec)

MariaDB [shraddha]> select \* from physician;

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

| reg\_no | name | tel\_no | city |

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

| 101 | shraddha | 123456789 | pune |

| 102 | sayali | 123456789 | pune city |

| 103 | aarti | 1289756789 | junnar |

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

3 rows in set (0.00 sec)

MariaDB [shraddha]> MariaDB [shraddha]> select p\_name,city from patient where p\_id=(select p\_id from visit where date\_of\_visit='2017-07-13');

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

| p\_name | city |

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

| shraddha | pune |

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

1 row in set (0.00 sec)

/\*

OUTPUT:

[admin@localhost ~]$ su

Password:

[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 2

Server version: 5.5.33a-MariaDB MariaDB Server

Copyright (c) 2000, 2013, Oracle, Monty Program Ab and others.

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

MariaDB [(none)]> show databases;

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

| Database |

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

| information\_schema |

| book |

| class |

| college |

| dbms\_prac7 |

| employe |

| lib |

| library |

| mysql |

| performance\_schema |

| secomp |

| student |

| tecomp |

| test |

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

14 rows in set (0.13 sec)

MariaDB [(none)]> create database shraddha;

Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> show databases;

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

| Database |

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

| information\_schema |

| book |

| class |

| college |

| dbms\_prac7 |

| employe |

| lib |

| library |

| mysql |

| performance\_schema |

| secomp |

| shraddha |

| student |

| tecomp |

| test |

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

15 rows in set (0.00 sec)

MariaDB [(none)]> use shraddha;

Database changed

MariaDB [shraddha]> create table stud(rollno int(10),name char(15),branch char(20));

Query OK, 0 rows affected (0.07 sec)

MariaDB [shraddha]> create table stud\_info(rollno int(10),marks int(10), mobile int(20));

Query OK, 0 rows affected (0.07 sec)

MariaDB [shraddha]> show tables;

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

| Tables\_in\_shraddha |

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

| stud |

| stud\_info |

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

2 rows in set (0.00 sec)

MariaDB [shraddha]> desc stud;

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

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

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

| rollno | int(10) | YES | | NULL | |

| name | char(15) | YES | | NULL | |

| branch | char(20) | YES | | NULL | |

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

3 rows in set (0.03 sec)

MariaDB [shraddha]> desc stud\_info;

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

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

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

| rollno | int(10) | YES | | NULL | |

| marks | int(10) | YES | | NULL | |

| mobile | int(20) | YES | | NULL | |

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

3 rows in set (0.00 sec)

MariaDB [shraddha]> alter table add primary key(rollno);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'add primary key(rollno)' at line 1

MariaDB [shraddha]> alter table stud add primary key(rollno);

Query OK, 0 rows affected (0.09 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [shraddha]> desc stud;

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

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

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

| rollno | int(10) | NO | PRI | 0 | |

| name | char(15) | YES | | NULL | |

| branch | char(20) | YES | | NULL | |

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

3 rows in set (0.00 sec)

MariaDB [shraddha]> insert into stud values(1,'shraddha','computer');

Query OK, 1 row affected (0.02 sec)

MariaDB [shraddha]> insert into stud values(2,'sayali','computer');

Query OK, 1 row affected (0.01 sec)

MariaDB [shraddha]> insert into stud values(3,'aarti','entc');

Query OK, 1 row affected (0.02 sec)

MariaDB [shraddha]> insert into stud\_info values(1,20,12345678910);

Query OK, 1 row affected, 1 warning (0.02 sec)

MariaDB [shraddha]> insert into stud\_info values(2,20,12345558910);

Query OK, 1 row affected, 1 warning (0.03 sec)

MariaDB [shraddha]> insert into stud\_info values(3,19,1243558910);

Query OK, 1 row affected (0.01 sec)

MariaDB [shraddha]> insert into stud\_info values(4,19,1277558910);

Query OK, 1 row affected (0.02 sec)

MariaDB [shraddha]> select stud.rollno,stud.name,stud\_info.marks from stud inner join stud\_info on stud.rollno=stud\_info.rollno;

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

| rollno | name | marks |

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

| 1 | shraddha | 20 |

| 2 | sayali | 20 |

| 3 | aarti | 19 |

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

3 rows in set (0.00 sec)

MariaDB [shraddha]> select stud.rollno,stud.name,stud\_info.marks from stud left outer join stud\_info on stud.rollno=stud\_info.rollno;

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

| rollno | name | marks |

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

| 1 | shraddha | 20 |

| 2 | sayali | 20 |

| 3 | aarti | 19 |

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

3 rows in set (0.00 sec)

MariaDB [shraddha]> select stud.rollno,stud.name,stud\_info.marks from stud right outer join stud\_info on stud.rollno=stud\_info.rollno;

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

| rollno | name | marks |

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

| 1 | shraddha | 20 |

| 2 | sayali | 20 |

| 3 | aarti | 19 |

| NULL | NULL | 19 |

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

4 rows in set (0.00 sec)

MariaDB [shraddha]> select stud.rollno,stud.name,stud\_info.marks from stud full outer join stud\_info on stud.rollno=stud\_info.rollno;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'outer join stud\_info on stud.rollno=stud\_info.rollno' at line 1

MariaDB [shraddha]> create table branch(branchid int(10),b\_name char(15),intake int(20));

Query OK, 0 rows affected (0.06 sec)

MariaDB [shraddha]> desc branch;

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

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

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

| branchid | int(10) | YES | | NULL | |

| b\_name | char(15) | YES | | NULL | |

| intake | int(20) | YES | | NULL | |

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

3 rows in set (0.00 sec)

MariaDB [shraddha]> desc stud;

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

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

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

| rollno | int(10) | NO | PRI | 0 | |

| name | char(15) | YES | | NULL | |

| branch | char(20) | YES | | NULL | |

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

3 rows in set (0.00 sec)

MariaDB [shraddha]> alter table branch add primary key(branchid);

Query OK, 0 rows affected (0.08 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [shraddha]> desc branch;

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

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

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

| branchid | int(10) | NO | PRI | 0 | |

| b\_name | char(15) | YES | | NULL | |

| intake | int(20) | YES | | NULL | |

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

3 rows in set (0.01 sec)

MariaDB [shraddha]> create table stud1(rollno int(10),name char(15),branchid int(20));

Query OK, 0 rows affected (0.05 sec)

MariaDB [shraddha]> desc stud1;

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

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

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

| rollno | int(10) | YES | | NULL | |

| name | char(15) | YES | | NULL | |

| branchid | int(20) | YES | | NULL | |

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

3 rows in set (0.00 sec)

MariaDB [shraddha]> alter table stud1 add constraint fk1 foregin key(branchid)references branch(branchid);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'foregin key(branchid)references branch(branchid)' at line 1

MariaDB [shraddha]> alter table stud1 add constraint fk1 foreign key(branchid)references branch(branchid);

Query OK, 0 rows affected (0.09 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [shraddha]> desc stud1;

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

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

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

| rollno | int(10) | YES | | NULL | |

| name | char(15) | YES | | NULL | |

| branchid | int(20) | YES | MUL | NULL | |

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

3 rows in set (0.00 sec)

MariaDB [shraddha]> insert into stud1 values(1,'shraddha',001);

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`shraddha`.`stud1`, CONSTRAINT `fk1` FOREIGN KEY (`branchid`) REFERENCES `branch` (`branchid`))

MariaDB [shraddha]> insert into branch values(001,'computer',60);

Query OK, 1 row affected (0.01 sec)

MariaDB [shraddha]> insert into branch values(002,'entc',60);

Query OK, 1 row affected (0.02 sec)

MariaDB [shraddha]> insert into branch values(003,'it',60);

Query OK, 1 row affected (0.01 sec)

MariaDB [shraddha]> insert into stud1 values(1,'shraddha',001);

Query OK, 1 row affected (0.03 sec)

MariaDB [shraddha]> insert into stud1 values(2,'sayali',001);

Query OK, 1 row affected (0.02 sec)

MariaDB [shraddha]> insert into stud1 values(3,'aarti',002);

Query OK, 1 row affected (0.02 sec)

MariaDB [shraddha]> insert into stud1 values(4,'pratiksha',003);

Query OK, 1 row affected (0.01 sec)

MariaDB [shraddha]> select \* from stud1;

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

| rollno | name | branchid |

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

| 1 | shraddha | 1 |

| 2 | sayali | 1 |

| 3 | aarti | 2 |

| 4 | pratiksha | 3 |

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

4 rows in set (0.00 sec)

MariaDB [shraddha]> select \* from branch;

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

| branchid | b\_name | intake |

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

| 1 | computer | 60 |

| 2 | entc | 60 |

| 3 | it | 60 |

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

3 rows in set (0.00 sec)

MariaDB [shraddha]> create view mul\_view as select stud1.rollno,stud1.name,branch.b\_name from stud1,branch where stud1.branchid=branch.branchid;

Query OK, 0 rows affected (0.04 sec)

MariaDB [shraddha]> select \* from mul\_view;

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

| rollno | name | b\_name |

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

| 1 | shraddha | computer |

| 2 | sayali | computer |

| 3 | aarti | entc |

| 4 | pratiksha | it |

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

4 rows in set (0.00 sec)

MariaDB [shraddha]> create table physician(reg\_no int(20),name char(20),tel\_no int(20),city char(15));

Query OK, 0 rows affected (0.05 sec)

MariaDB [shraddha]> alter table physician add primary key(reg\_no);

Query OK, 0 rows affected (0.08 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [shraddha]> desc physician;

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

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

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

| reg\_no | int(20) | NO | PRI | 0 | |

| name | char(20) | YES | | NULL | |

| tel\_no | int(20) | YES | | NULL | |

| city | char(15) | YES | | NULL | |

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

4 rows in set (0.00 sec)

MariaDB [shraddha]> create table patient(p\_id int(20),p\_name char(20),street chat(20),city char(15));

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'chat(20),city char(15))' at line 1

MariaDB [shraddha]> create table patient(p\_id int(20),p\_name char(20),street char(20),city char(15));

Query OK, 0 rows affected (0.05 sec)

MariaDB [shraddha]> alter table patient add primary key(p\_id);

Query OK, 0 rows affected (0.08 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [shraddha]> desc patient;

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

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

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

| p\_id | int(20) | NO | PRI | 0 | |

| p\_name | char(20) | YES | | NULL | |

| street | char(20) | YES | | NULL | |

| city | char(15) | YES | | NULL | |

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

4 rows in set (0.00 sec)

MariaDB [shraddha]> create table visit(p\_id int(20),reg\_no int(20),date\_of\_visit date,fees char(20));

Query OK, 0 rows affected (0.06 sec)

MariaDB [shraddha]> select stud.rollno,stud.name,stud\_info.marks from stud right outer join stud\_info on stud.rollno=stud\_info.rollno union select stud.rollno,stud.name,stud\_info.marks from stud left outer join stud\_info on stud.rollno=stud\_info.rollno;

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

| rollno | name | marks |

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

| 1 | shraddha | 20 |

| 2 | sayali | 20 |

| 3 | aarti | 19 |

| NULL | NULL | 19 |

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

4 rows in set (0.00 sec)

MariaDB [shraddha]> alter table visit add constraint fk1 foregin key(p\_id)references patient(p\_id);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'foregin key(p\_id)references patient(p\_id)' at line 1

MariaDB [shraddha]> alter table visit add constraint fk1 foreign key(p\_id)references patient(p\_id);

ERROR 1005 (HY000): Can't create table 'shraddha.#sql-b12\_2' (errno: 121)

MariaDB [shraddha]> alter table visit add constraint fk2 foreign key(p\_id)references patient(p\_id);

Query OK, 0 rows affected (0.08 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [shraddha]> alter table visit add constraint fk3 foreign key(reg\_no)references physician(reg\_id);

ERROR 1005 (HY000): Can't create table 'shraddha.#sql-b12\_2' (errno: 150)

MariaDB [shraddha]> alter table visit add constraint fk3 foreign key(reg\_no)references physician(reg\_no);

Query OK, 0 rows affected (0.09 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [shraddha]> desc visit;

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

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

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

| p\_id | int(20) | YES | MUL | NULL | |

| reg\_no | int(20) | YES | MUL | NULL | |

| date\_of\_visit | date | YES | | NULL | |

| fees | char(20) | YES | | NULL | |

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

4 rows in set (0.02 sec)

MariaDB [shraddha]> desc physician;

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

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

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

| reg\_no | int(20) | NO | PRI | 0 | |

| name | char(20) | YES | | NULL | |

| tel\_no | int(20) | YES | | NULL | |

| city | char(15) | YES | | NULL | |

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

4 rows in set (0.00 sec)

MariaDB [shraddha]> desc patient;

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

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

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

| p\_id | int(20) | NO | PRI | 0 | |

| p\_name | char(20) | YES | | NULL | |

| street | char(20) | YES | | NULL | |

| city | char(15) | YES | | NULL | |

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

4 rows in set (0.00 sec)

MariaDB [shraddha]> insert into visit values(1,101,2019-07-10,4000);

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails (`shraddha`.`visit`, CONSTRAINT `fk2` FOREIGN KEY (`p\_id`) REFERENCES `patient` (`p\_id`))

MariaDB [shraddha]> insert into physician values(101,'shraddha',123456789,'pune');

Query OK, 1 row affected (0.02 sec)

MariaDB [shraddha]> insert into physician values(102,'sayali',123456789,'pune city');

Query OK, 1 row affected (0.03 sec)

MariaDB [shraddha]> insert into physician values(103,'aarti',1289756789,'junnar');

Query OK, 1 row affected (0.02 sec)

MariaDB [shraddha]> select \* from physician;

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

| reg\_no | name | tel\_no | city |

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

| 101 | shraddha | 123456789 | pune |

| 102 | sayali | 123456789 | pune city |

| 103 | aarti | 1289756789 | junnar |

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

3 rows in set (0.00 sec)

MariaDB [shraddha]> insert into patient values(1,'shraddha','fc','pune');Query OK, 1 row affected (0.01 sec)

MariaDB [shraddha]> insert into patient values(2,'sayali','modern','pune city');

Query OK, 1 row affected (0.02 sec)

MariaDB [shraddha]> insert into patient values(3,'aarti','m.g','junnar');Query OK, 1 row affected (0.02 sec)

MariaDB [shraddha]> select \* from patient;

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

| p\_id | p\_name | street | city |

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

| 1 | shraddha | fc | pune |

| 2 | sayali | modern | pune city |

| 3 | aarti | m.g | junnar |

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

3 rows in set (0.01 sec)

MariaDB [shraddha]> insert into visit values(1,101,2017-07-13,4000);

Query OK, 1 row affected, 1 warning (0.02 sec)

MariaDB [shraddha]> insert into visit values(2,102,2017-07-20,5000);

Query OK, 1 row affected, 1 warning (0.03 sec)

MariaDB [shraddha]> insert into visit values(3,103,2017-07-12,5500);

Query OK, 1 row affected, 1 warning (0.02 sec)

MariaDB [shraddha]> select \* from visit;

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

| p\_id | reg\_no | date\_of\_visit | fees |

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

| 1 | 101 | 0000-00-00 | 4000 |

| 2 | 102 | 0000-00-00 | 5000 |

| 3 | 103 | 0000-00-00 | 5500 |

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

3 rows in set (0.00 sec)

MariaDB [shraddha]> drop table visit;

Query OK, 0 rows affected (0.02 sec)

MariaDB [shraddha]> select \* from visit;

ERROR 1146 (42S02): Table 'shraddha.visit' doesn't exist

MariaDB [shraddha]> create table visit(p\_id int(20),reg\_no int(20),date\_of\_visit date,fees int(20));

Query OK, 0 rows affected (0.06 sec)

MariaDB [shraddha]> alter table visit add constraint fk2 foreign key(p\_id)references patient(p\_id);

Query OK, 0 rows affected (0.07 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [shraddha]> alter table visit add constraint fk3 foreign key(reg\_no)references physician(reg\_id);

ERROR 1005 (HY000): Can't create table 'shraddha.#sql-b12\_2' (errno: 150)

MariaDB [shraddha]> alter table visit add constraint fk3 foreign key(reg\_no)references physician(reg\_no);

Query OK, 0 rows affected (0.07 sec)

Records: 0 Duplicates: 0 Warnings: 0

MariaDB [shraddha]> desc visit;

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

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

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

| p\_id | int(20) | YES | MUL | NULL | |

| reg\_no | int(20) | YES | MUL | NULL | |

| date\_of\_visit | date | YES | | NULL | |

| fees | int(20) | YES | | NULL | |

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

4 rows in set (0.01 sec)

MariaDB [shraddha]> insert into visit values(1,101,'2017-07-13',4000);Query OK, 1 row affected (0.00 sec)

MariaDB [shraddha]> select \* from visit;

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

| p\_id | reg\_no | date\_of\_visit | fees |

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

| 1 | 101 | 2017-07-13 | 4000 |

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

1 row in set (0.00 sec)

MariaDB [shraddha]> insert into visit values(2,102,'2017-07-20',5000);Query OK, 1 row affected (0.06 sec)

MariaDB [shraddha]> insert into visit values(3,103,'2017-07-12',5500);Query OK, 1 row affected (0.01 sec)

MariaDB [shraddha]> select \* from visit;

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

| p\_id | reg\_no | date\_of\_visit | fees |

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

| 1 | 101 | 2017-07-13 | 4000 |

| 2 | 102 | 2017-07-20 | 5000 |

| 3 | 103 | 2017-07-12 | 5500 |

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

3 rows in set (0.00 sec)

MariaDB [shraddha]> select p\_name,city from patient where p\_id=(select p\_id from visit where datr\_of\_visit='2017-07-13');

ERROR 1054 (42S22): Unknown column 'datr\_of\_visit' in 'where clause'

MariaDB [shraddha]> select p\_name,city from patient where p\_id=(select p\_id from visit where date\_of\_visit='2017-07-13');

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

| p\_name | city |

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

| shraddha | pune |

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

1 row in set (0.00 sec)

MariaDB [shraddha]>

\*/