**Database**

**Organ Donation**

mysql> create table Register(

-> mobileNo dec(10),

-> birthDate varchar(15),

-> Primary key (mobileNo,birthDate));

Query OK, 0 rows affected (0.04 sec)

mysql> create database OrganDonation;

Query OK, 1 row affected (0.07 sec)

mysql> use OrganDonation;

Database changed

mysql> create table City(

-> cityCode int Primary Key,

-> cityName varchar(10));

Query OK, 0 rows affected (0.16 sec)

mysql> create table Area(

-> areaCode int Primary Key,

-> areaName varchar(10));

Query OK, 0 rows affected (0.06 sec)

mysql> create table Hospital(

-> hospitalCode int primary key,

-> hospitalName varchar(20),

-> areaCode int,

-> cityCode int,

-> foreign key(areaCode) references Area(areaCode),

-> foreign key(cityCode) references City(cityCode));

Query OK, 0 rows affected (0.08 sec)

mysql> create table Donor(

-> donorUserID int Primary key,

-> donorName varchar(10),

-> donorBloodGroup varchar(3),

-> birthDate varchar(20),

-> gender varchar(1),

-> weight float,

-> organName varchar(30),

-> donorAddress varchar(30),

-> mobileNo dec(10));

Query OK, 0 rows affected (0.06 sec)

mysql> create table Receiver(

-> receiverUserID int Primary key,

-> receiverName varchar(10),

-> receiverBloodGroup varchar(3),

-> birthDate varchar(20),

-> gender varchar(1),

-> weight float,

-> organName varchar(30),

-> receiverAddress varchar(30),

-> mobileNo dec(10));

Query OK, 0 rows affected (0.04 sec)

mysql> alter table Receiver

-> add emergencyStaus varchar(20);

Query OK, 0 rows affected (0.07 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table Receiver

-> add approvalStaus int;

Query OK, 0 rows affected (0.02 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> insert into City values(400,"Mumbai");

Query OK, 1 row affected (0.03 sec)

mysql> insert into City values(401,"Pune");

Query OK, 1 row affected (0.01 sec)

mysql> insert into City values(402,"Nagpur");

Query OK, 1 row affected (0.01 sec)

mysql> insert into City values(403,"Kolhapur");

Query OK, 1 row affected (0.01 sec)

mysql> insert into City values(404,"Nashik");

Query OK, 1 row affected (0.01 sec)

mysql> insert into City values(405,"Dhule");

Query OK, 1 row affected (0.01 sec)

mysql> insert into Area values (101,"Katraj");

Query OK, 1 row affected (0.01 sec)

mysql> insert into Area values (102,"Hadapsar");

Query OK, 1 row affected (0.11 sec)

mysql> insert into Area values (103,"Kondhwa");

Query OK, 1 row affected (0.01 sec)

mysql> insert into Area values (104,"Kothrud");

Query OK, 1 row affected (0.01 sec)

mysql> insert into Area values (105,"Swargate");

Query OK, 1 row affected (0.00 sec)

mysql> insert into Hospital values(9001,"Sahyadri Hospital", 103,401);

Query OK, 1 row affected (0.03 sec)

mysql> insert into Hospital values(9002,"Kaveri Hospital", 103,401);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Hospital values(9003,"Nawale Hospital", 101,401);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Hospital values(9004,"Suyog Hospital", 102,402);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Hospital values(9005,"Sasoon Hospital", 104,401);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Receiver values(2003,"Samir Gore","AB-","12-04-2001","M",75.5,"Kidney","Katraj",9823337050,"Not Urgent",1);

Query OK, 1 row affected (0.01 sec)

mysql> alter table Receiver

-> modify receiverName varchar(50);

Query OK, 0 rows affected (0.09 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> insert into Receiver values(2008,"Akshay Pawar","O-","12-06-1989","M",90,"Eye","Solapur",9834461898,"Urgent",1);

Query OK, 1 row affected (0.01 sec)

mysql> insert into Receiver values(2001,"Sonali Kendale","O-","01-02-1995","F",70,"Brain","Pune",9848334188,"Not Urgent",1);

Query OK, 1 row affected (0.01 sec)

create table Hospital\_edges(

hospital1\_code int,

hospital2\_code int,

distance int,

Foreign key(hospital1\_code) references Hospital(HospitalCode),

Foreign key(hospital2\_code) references Hospital(HospitalCode), Primary key(hospital1\_code,hospital2\_code));

mysql> insert into Hospital\_edges values(9001,9002,4);

Query OK, 1 row affected (0.12 sec)

mysql> insert into Hospital\_edges values(9002,9003,5);

Query OK, 1 row affected (0.09 sec)

mysql> insert into Hospital\_edges values(9001,9003,12);

Query OK, 1 row affected (0.12 sec)

mysql> insert into Hospital\_edges values(9003,9004,15);

Query OK, 1 row affected (0.10 sec)

mysql> insert into Hospital\_edges values(9004,9005,3);

Query OK, 1 row affected (0.13 sec)

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mysql> insert into Hospital\_edges values(9002,9004,10);

Query OK, 1 row affected (0.10 sec)

mysql> insert into Hospital\_edges values(9001,9005,18);

Query OK, 1 row affected (0.06 sec)

mysql> alter table Receiver

-> add column hospital\_reg int ;

mysql> alter table Receiver

-> add Foreign key (hospital\_reg) references Hospital(hospitalCode);

mysql> update Receiver set Hospital\_reg = 9001 where receiverName = "Samir Gore";

Query OK, 1 row affected (0.20 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update Receiver set Hospital\_reg = 9001 where receiverName = "Akshay Pawar";

Query OK, 1 row affected (0.12 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update Receiver set Hospital\_reg = 9005 where receiverName = "Sonali Kendale";

Query OK, 1 row affected (0.10 sec)

Rows matched: 1 Changed: 1 Warnings: 0