1. Administrator

create table admin(a\_id varchar(10) PRIMARY KEY,institution char(20),name varchar(50),ph\_number varchar(20),email\_id varchar(30),password\_a varchar(500))engine=innodb;

2. System User

create table system\_user(s\_id varchar(10) PRIMARY KEY,name varchar(50)institution char (20),ph\_number varchar(20),email\_id varchar(30),password\_s varchar(500))engine=innodb;

1. Donor

create table donor(d\_id varchar(10) ,name varchar(50), ph\_number varchar(20),email\_id varchar(30), dob date, gender char(10),age int(5),blood\_group varchar(5), area varchar(20),a\_id varchar(10) references admin(a\_id) on delete cascade,PRIMARY KEY (a\_id,d\_id))engine=innodb;

4. Blood

create table blood(b\_code varchar(10),d\_id varchar(10) references donor(d\_id) on delete cascade , date\_of\_donation date, PRIMARY KEY(d\_id,b\_code))engine=innodb;

6. Donor Details

create table donor\_details(d\_id varchar(10) references donor(d\_id) on delete cascade, height decimal(5,3),weight decimal(10,3), bmi decimal(10,3),PRIMARY KEY(d\_id,bmi))engine=innodb;

9. Address

create table address(d\_no varchar(10),

address\_d varchar(200),

d\_id varchar(10) references donor(d\_id) on delete cascade,

pincode varchar(6),

state\_no var\_char(5) references state(state\_no)on delete cascade,

PRIMARY KEY(d\_no, state\_no,d\_id))engine=innodb;

10. State

create table state(state\_no varchar(5) PRIMARY KEY, state char(20) state\_no )engine=innodb;

5. Modify

create table modify\_blood(d\_id varchar(10) references donor(d\_id) on delete cascade , a\_id varchar(10) references admin(a\_id) on delete cascade , bmi decimal(10,3) references donor\_details(bmi) on delete cascade , PRIMARY KEY (a\_id,d\_id,bmi))engine=innodb;

7. Donates

create table donates(d\_id varchar(10) references donor(d\_id) on delete cascade, b\_code varchar(10) references blood(b\_code) on delete cascade, PRIMARY KEY(b\_code, d\_id))engine=innodb;

8. Appends

create table Appends(d\_id varchar(10) references donor(d\_id) on delete cascade, s\_id varchar(10) references system\_user(s\_id) on delete cascade, PRIMARY KEY(d\_id,s\_id))engine=innodb;