

# Blood Bank Management System Group: G-42

# Students:

· Srajit Jain 19UCS069

Vaibhav Singhal 19UCS018

Daksh Sharma 19UCS065

Pearl Kothari 19UCS071

#### Tables:

- user
- donor
- bloodbank
- receiver
- staff\_transaction

user(**UserID**, username, emailID, Address, phonenumber, password, post, Date);

donor (**UserID**, BloodGrp, Any Disease, Quantity, Disease, Date, phonenumber);

• FK\_1: <u>UserID</u> references user(<u>UserID</u>);

bloodbank (BloodGrp, Quantity);

receiver (Patient ID, Pateint Name, Pateint Age, Staff ID, Blood Grp, volume, contact Number, Date);

staff\_transaction(StaffID,Date,status);

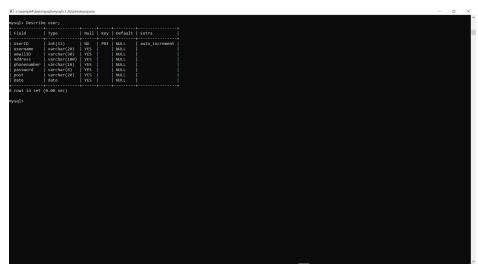
• FK\_1: StaffID references receiver(StaffID);

# • Tables:



# • All Tables Description:

# o user



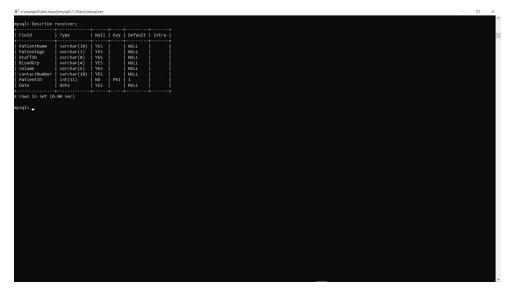
# o donor



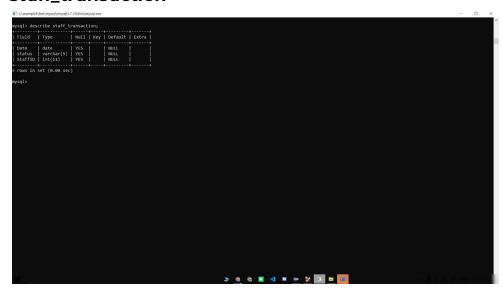
# bloodbank



# o receiver



# staff\_transaction



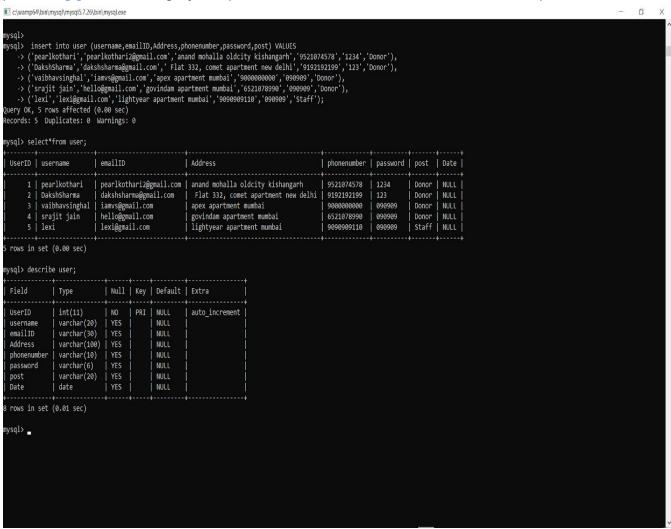
# • Adding 4 donor and 1 staff in user table:

insert into user (username,emailID,Address,phonenumber,password,post) VALUES ('pearlkothari','pearlkothari2@gmail.com','anand mohalla oldcity kishangarh','9521074578','1234','Donor'),

('DakshSharma','dakshsharma@gmail.com','332,comet society new delhi','9192192199','123','Donor'),

('vaibhavsinghal','iamvs@gmail.com','apex apartment mumbai','9000000000','090909','Donor'),

('srajit jain','hello@gmail.com','govindam apartment mumbai','6521078990','090909','Donor'), ('lexi','lexi@gmail.com','lightyear apartment mumbai','9090909110','090909','Staff');



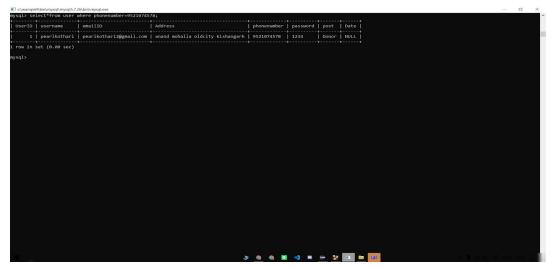
# • Inserting all blood group in bloodbank with initial quantity = 0:

insert into bloodbank (BloodGrp,Quantity) Values ('A+',0),('B+',0),('O+',0),('AB+',0),('AB-',0),('O-',0),('B-',0),('A-',0);

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• Get user with phonenumber = XXXXXXXXXXX

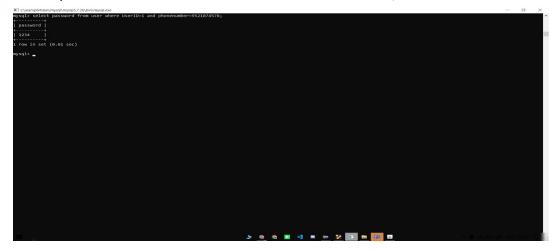
select\*from user where phonenumber=XXXXXXXXX; For Example: Search user where phone number=9521074578;



# • Forgot Password in login page:

# Finding the user password where userID=XXXXXX and phonenumber=XXXXXXX:

For Example: Search User Password where phone number=9521074578 and UserID=1;

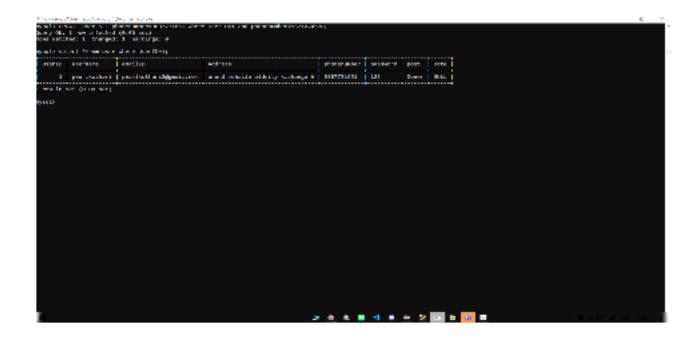


#### • Reset Password of Donor:

UPDATE user SET password=XXXXXX where UserID=XXXX and password=XXXXXX;

# • Reset donor phone number:

UPDATE user SET phonenumber=XXXXXX where UserID=XXXX and password=XXXXXX;



# • Get ID of donor:

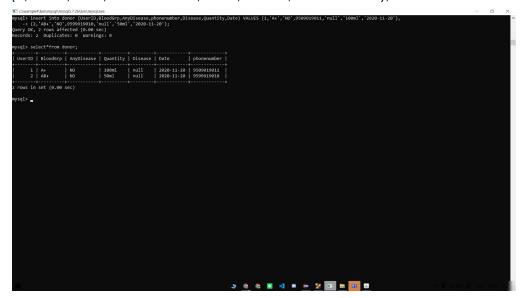
Select UserID from user where phone number=XXXXXXXXXX;

#### • ADD donor in donor table:

insert into donor

\*/

(UserID,BloodGrp,AnyDisease,phonenumber,Disease,Quantity,Date) VALUES (1,'A+','NO',9509019011,'null','100ml','2020-11-20'), (2,'AB+','NO',9599919010,'null','50ml','2020-11-20');



# • Updating Blood Bank Quantity Of BloodGroup:

For Example: Add 100ml blood in BloodGroup A+

UPDATE bloodbank SET Quantity= NEW\_QNT where BloodGrp=XX;

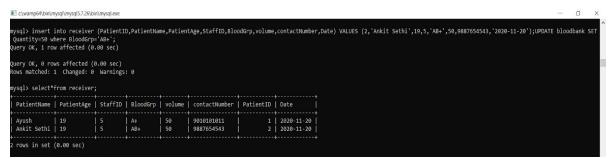
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/*
NEW_QNT = PREV_QNT + SELECTED_QUNT
PREV_QNT is the quantity of blood in the blood bank at the moment before donating/receiving any blood.
SELECTED_QUNT is the quantity of blood donated/received by the user.
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# For Example:

# ADD 100ML "AB+" Blood

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## Clear property of the Prope
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# Insert into receiver:



# • Staff\_Activity:

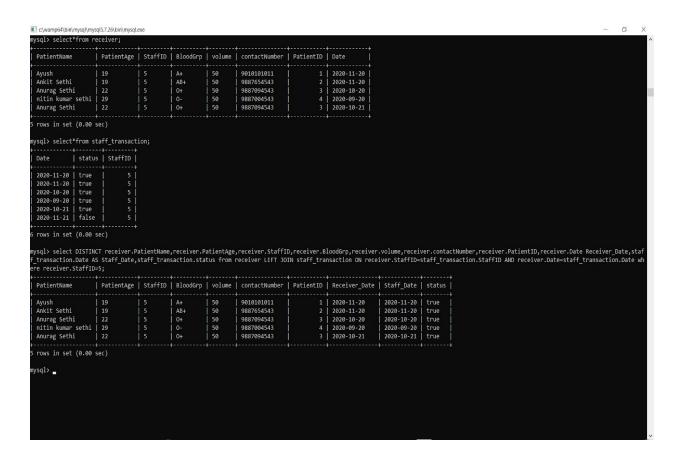
Insert into staff\_transaction (Date,StaffID,status) VALUES ('2020-11-20',5,'true'),('2020-11-20',5,'true');

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# (ADMIN) To get staff blood providing history with specific ID(BY using JOINS)

#### select DISTINCT

receiver.PatientName,receiver.PatientAge,receiver.StaffID,receiver.BloodGrp, receiver.volume,receiver.contactNumber,receiver.PatientID,receiver.Date AS Receiver\_Date,staff\_transaction.Date AS Staff\_Date,staff\_transaction.status from receiver INNER JOIN staff\_transaction ON receiver.StaffID=staff\_transaction.StaffID AND receiver.Date=staff\_transaction.Date where receiver.StaffID=5;



• Delete Any User with their ID:

#### delete from user where userID=enter\_the\_userID;

