

Blood Donation Management System Group: G-42

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Tables:

- user
- donor
- bloodbank
- receiver
- staff_transaction

user(<u>UserID</u>, 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);

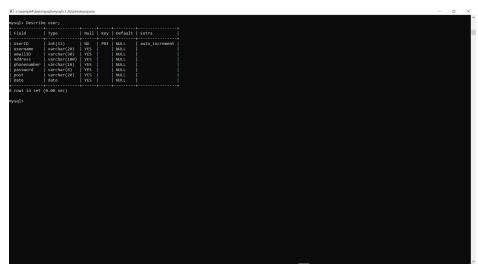
staff_transaction(StaffID,Date,status);

• Tables:



• All Tables Description:

o user



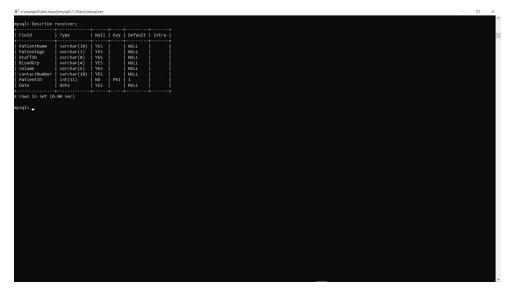
o donor



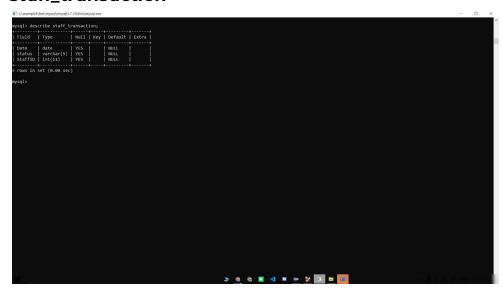
bloodbank



o receiver



staff_transaction



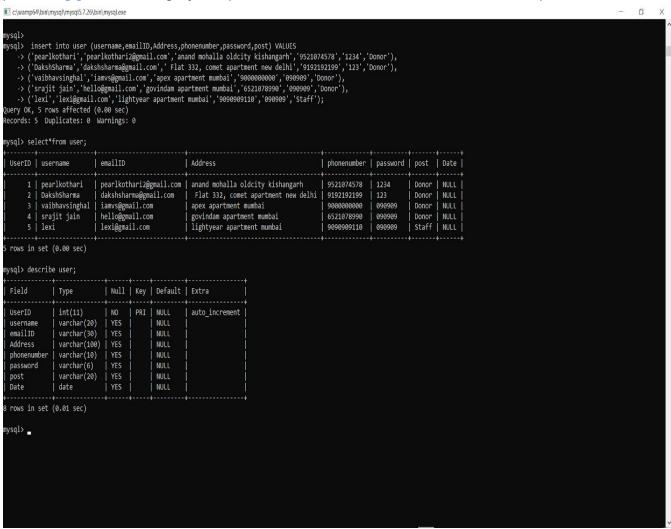
• Adding 4 donor and 1 staff in user table:

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');



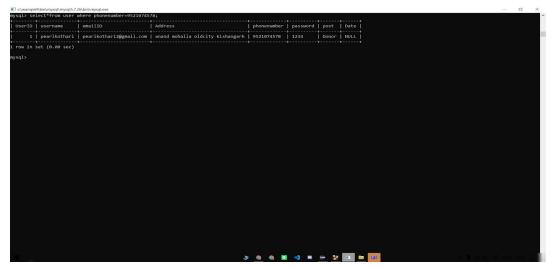
• Inserting all blood group in bloodbank with initial quantity = 0:

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

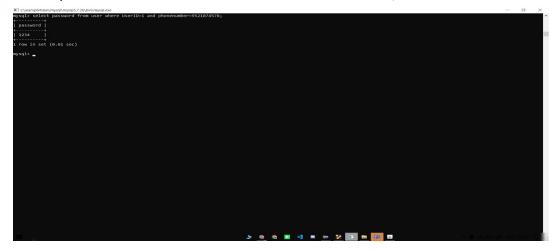
select*from user where phonenumber=XXXXXXXXX; For Example: Search user where phone number=9521074578;



• 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;

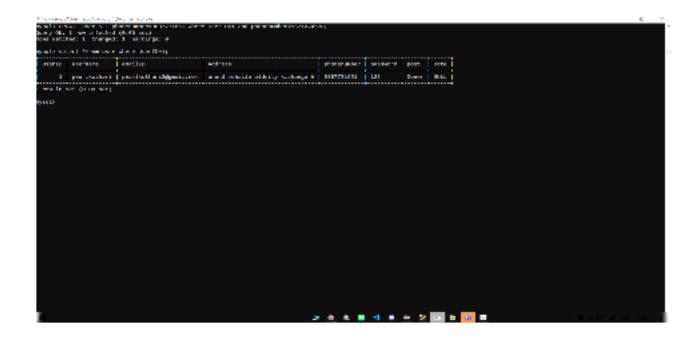


• Reset Password of Donor:

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:

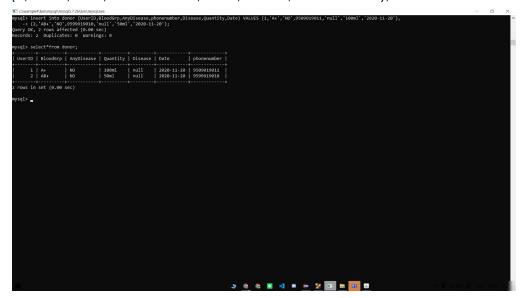
Select UserID from user where phone number=XXXXXXXXXX;

• 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;

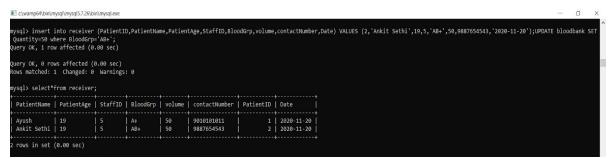
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/*
NEW_QNT = PREV_QNT + SELECTED_QUNT
PREV_QNT is the quantity of blood in the blood bank at the moment before donating/receiving any blood.
SELECTED_QUNT is the quantity of blood donated/received by the user.
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For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

ADD 100ML "AB+" Blood

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## Clear property of the Prope
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Insert into receiver:



• Staff_Activity:

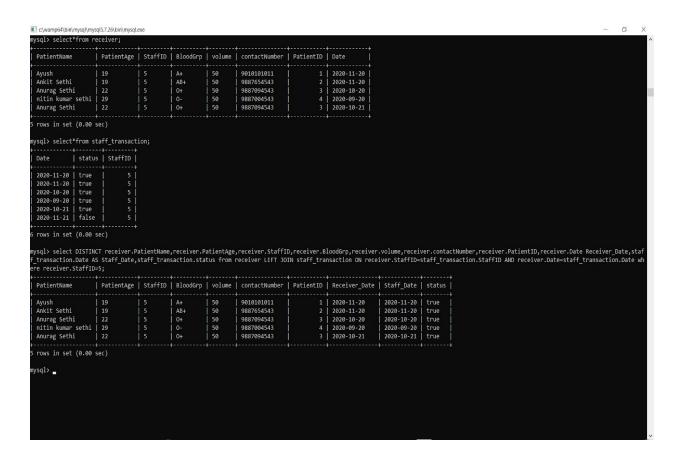
Insert into staff_transaction (Date,StaffID,status) VALUES ('2020-11-20',5,'true'),('2020-11-20',5,'true');

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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;

