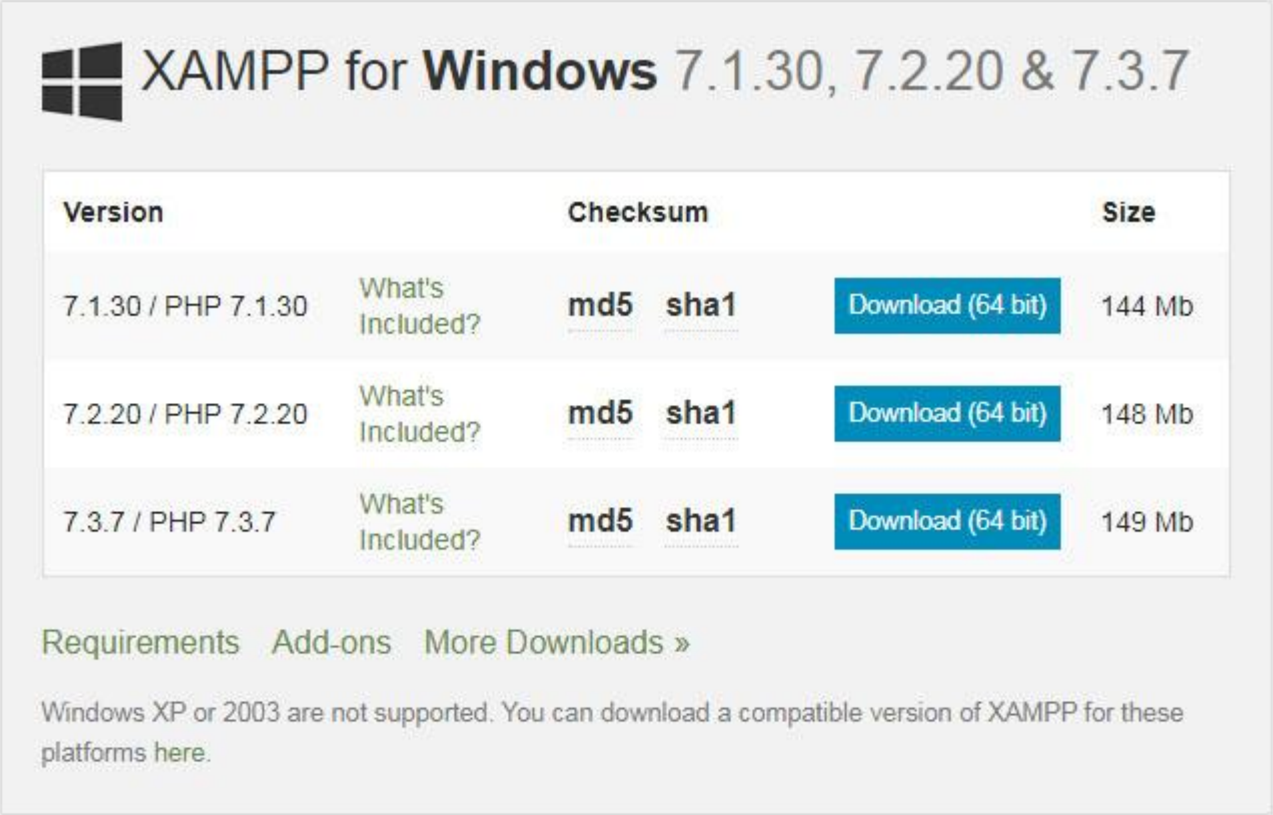
INDEX

1) XAMPP setup :

Steps to install XAMPP on Windows:

- In the web browser, visit Apache Friends and download XAMPP installer.



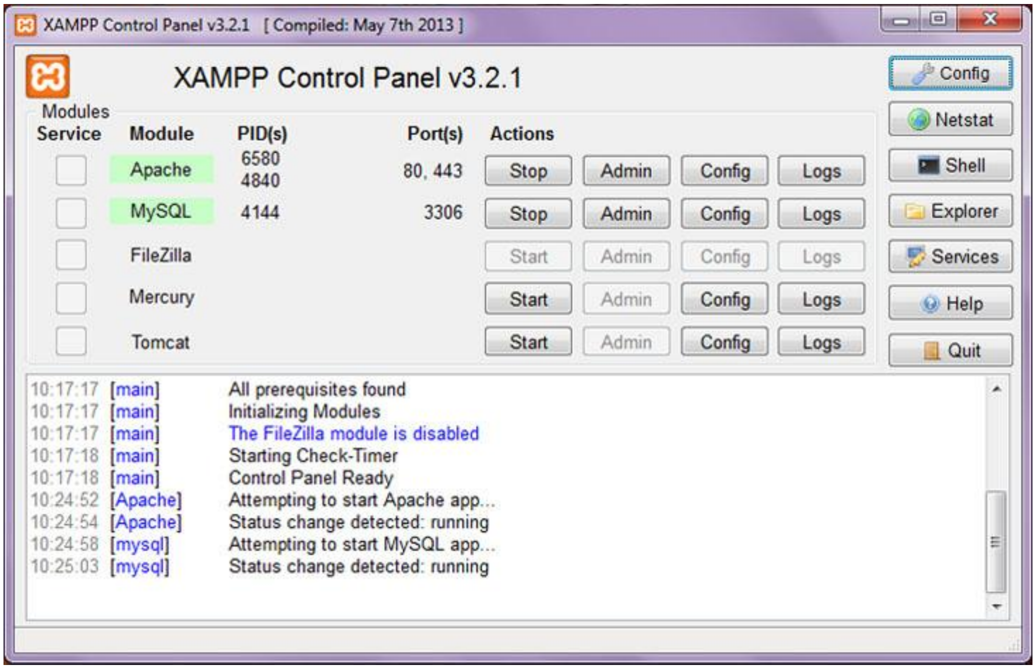
XAMPP for **Windows** 7.1.30, 7.2.20 & 7.3.7

Version		Checksum			Size
7.1.30 / PHP 7.1.30	What's Included?	md5	sha1	Download (64 bit)	144 Mb
7.2.20 / PHP 7.2.20	What's Included?	md5	sha1	Download (64 bit)	148 Mb
7.3.7 / PHP 7.3.7	What's Included?	md5	sha1	Download (64 bit)	149 Mb

Windows XP or 2003 are not supported. You can download a compatible version of XAMPP for these platforms here.

- During the installation process, select the required components like MySQL, FileZilla ftp server, PHP, phpMyAdmin or leave the default options and click the **Next** button.

- Uncheck the **Learn more about bitnami** option and click **Next** button.
- Choose the root directory path to set up the *htdocs* folder for our applications. For example *‘C:\xampp’.*
- Click the **Allow access** button to allow the XAMPP modules from the Windows firewall.
- After the installation process, click the **Finish** button of the XAMPP Setup wizard.
- Now the XAMPP icon is clearly visible on the right side of start menu. Show or Hide can be set by using the control panel by clicking on the icon.
- To start Apache and MySql, just click on the **Start** button on the control panel.


XAMPP Control Panel v3.2.1 [Compiled: May 7th 2013]

XAMPP Control Panel v3.2.1

Modules

Service	Module	PID(s)	Port(s)	Actions			
□	Apache	6580 4840	80, 443	Stop	Admin	Config	Logs
□	MySQL	4144	3306	Stop	Admin	Config	Logs
□	FileZilla			Start	Admin	Config	Logs
□	Mercury			Start	Admin	Config	Logs
□	Tomcat			Start	Admin	Config	Logs

```
10:17:17  [main]     All prerequisites found
10:17:17  [main]     Initializing Modules
10:17:17  [main]     The FileZilla module is disabled
10:17:18  [main]     Starting Check-Timer
10:17:18  [main]     Control Panel Ready
10:24:52  [Apache]   Attempting to start Apache app...
10:24:54  [Apache]   Status change detected: running
10:24:58  [mysql]    Attempting to start MySQL app...
10:25:03  [mysql]    Status change detected: running
```

Note: Suppose Apache is not starting, it means some other service is running at port **80.** In this case, stop the other service temporarily and restart it.

Making server request: Open your web browser and check whether the XAMPP service has properly installed or not. Type in the URL: **http://localhost**. If you are able to see the default page for XAMPP, you have successfully installed your XAMPP Server.

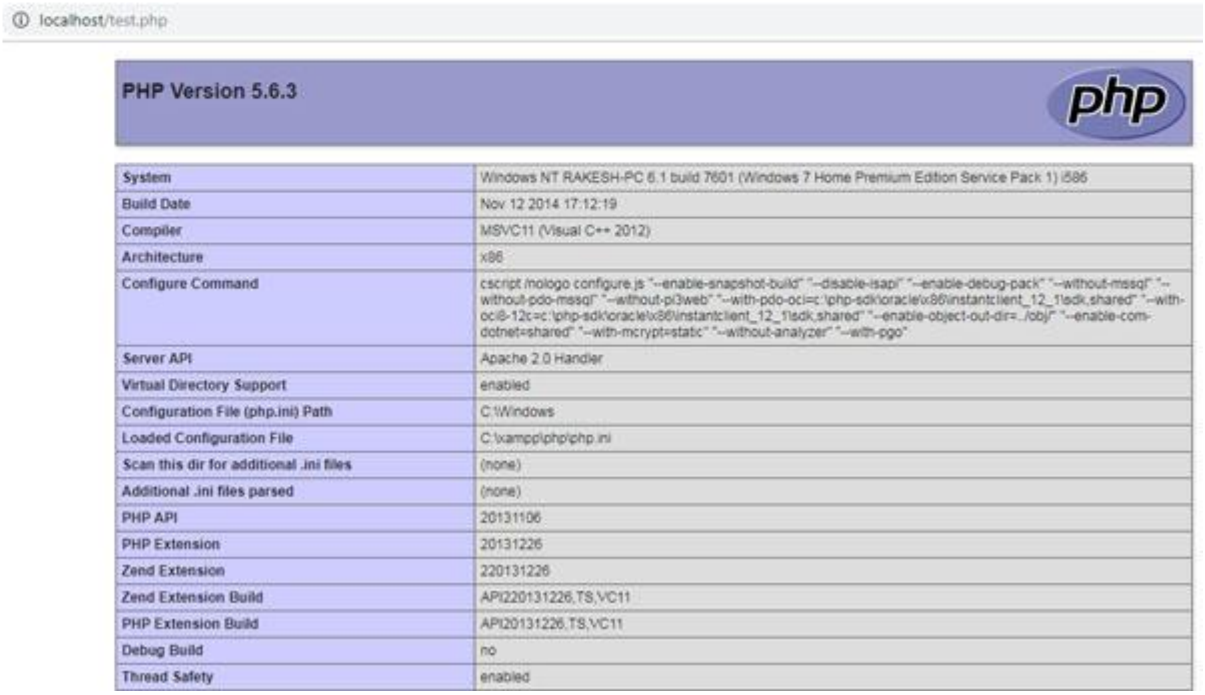
To Check if PHP is Working: All the website related files are organized in a folder called *htdocs* and then run index.php file by using **http://localhost/index.php** or **http://localhost**.

Note: For every new website or application, its always better to create a different folder inside *htdocs*, to keep it organized and avoid confusion.

For example, if we create a folder *geeksforgeeks* and then create a file nameed as *'helloWorld.php'.* All the contents related to it are put inside the folder *'geeksforgeeks'.* So the root 'URL' of the website will be **'http://localhost/geeksforgeeks/'.** So any home page is accessed by typing the root URL in the browser. To see the output, just type **'http://localhost/geeksforgeeks/helloWorld.php'.**

Generally web servers look for index file (landing page) namely **index.html** or **index.php** in the root of the website folder. Go to **/xampp/htdocs/** folder and create a file with **.php** extension (test.php) and type or copy the below code and save it.

Now open your browser and go to **"http://localhost/test.php"** if you see the
page same as below then PHP has successfully installed.



localhost/test.php

PHP Version 5.6.3

System	Windows NT RAKESH-PC 6.1 build 7601 (Windows 7 Home Premium Edition Service Pack 1) i586
Build Date	Nov 12 2014 17:12:19
Compiler	MSVC11 (Visual C++ 2012)
Architecture	x86
Configure Command	cscript /nologo configure.js "--enable-snapshot-build" "--disable-isapi" "--enable-debug-pack" "--without-mssql" "--without-pdo-mssql" "--without-pi3web" "--with-pdo-oci=c:\php-sdk\oracle\x86\instantclient_12_1\sdk,shared" "--with-oci8-12c=c:\php-sdk\oracle\x86\instantclient_12_1\sdk,shared" "--enable-object-out-dir=../obj/" "--enable-com-dotnet=shared" "--with-mcrypt=static" "--without-analyzer" "--with-pgo"
Server API	Apache 2.0 Handler
Virtual Directory Support	enabled
Configuration File (php.ini) Path	C:\Windows
Loaded Configuration File	C:\xampp\php\php.ini
Scan this dir for additional .ini files	(none)
Additional .ini files parsed	(none)
PHP API	20131106
PHP Extension	20131226
Zend Extension	220131226
Zend Extension Build	API220131226,TS,VC11
PHP Extension Build	API20131226,TS,VC11
Debug Build	no
Thread Safety	enabled

Note: In XAMPP, the configuration files of Apache, MySQL, PHP are located in **C:\Program Files\xampp.** For any configuration file changes, you need to restart Apache and MySQL.

2) Blood Bank Management System :

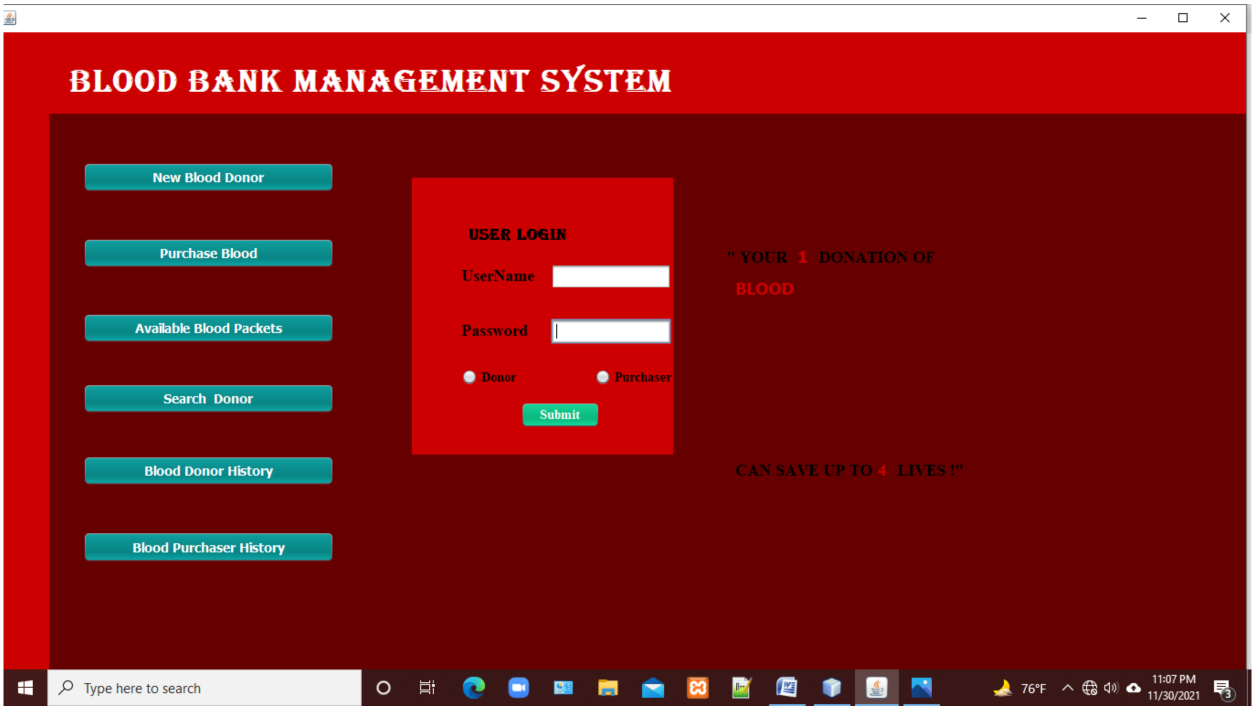
Input :

Start_page.java :

```
package blood_donation_system;
```

```
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.DriverManager;
import java.sql.Statement;
import java.sql.ResultSet;

/**
 *
 * @author Joyjit
 */
public class start_page extends javax.swing.JFrame {

    public start_page() {
        initComponents();
    }
   private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        String user = jTextField1.getText();
        String pass = jTextField2.getText();
        if (user.equals("") || pass.equals("")) {
            JOptionPane.showMessageDialog(this, "All fields are required");
        } else {
            try {
                Class.forName("com.mysql.jdbc.Driver");


             Connection con = DriverManager.getConnection("jdbc:mysql://localhost/blooddonation", "root",
"");
                Statement st = con.createStatement();
                if (jRadioButton1.isSelected()) {
                    //JOptionPane.showMessageDialog(this, "donor");
                    ResultSet rs = st.executeQuery("select * from donor where username='" + user + "' AND
password='" + pass + "'");
                    if (rs.next()) {
                        new Donor_account(user).setVisible(true);
                    } else {
                        JOptionPane.showMessageDialog(this, "Incorrect Username and Password");
                    }
                } else {
                    //JOptionPane.showMessageDialog(this, "Purchaser");
                    ResultSet rs = st.executeQuery("select * from purchaser where user='" + user + "' AND
password='" + pass + "'");
                    if (rs.next()) {
                        new Purchaser_account(user).setVisible(true);
                    } else {
                        JOptionPane.showMessageDialog(this, "Incorrect Username and Password");
                    }
                }
            } catch (Exception ex) {
                Logger.getLogger(start_page.class.getName()).log(Level.SEVERE, null, ex);
            }
        }
    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:

        new Donor_reg().setVisible(true);
    }

    private void jRadioButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        new Purchaser_reg().setVisible(true);
    }

    private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        new search_donor().setVisible(true);
    }


   private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        new Available_packets().setVisible(true);
    }

    private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        new Purchase_History().setVisible(true);
    }

    private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        new Donor_history().setVisible(true);
    }

    public static void main(String args[]) {
   java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new start_page().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
    private javax.swing.JButton jButton3;
    private javax.swing.JButton jButton4;
    private javax.swing.JButton jButton5;
    private javax.swing.JButton jButton6;
    private javax.swing.JButton jButton7;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel10;
    private javax.swing.JLabel jLabel11;
    private javax.swing.JLabel jLabel12;
    private javax.swing.JLabel jLabel13;
    private javax.swing.JLabel jLabel14;
    private javax.swing.JLabel jLabel16;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JLabel jLabel6;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JLabel jLabel8;
    private javax.swing.JLabel jLabel9;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JPanel jPanel3;
    private javax.swing.JRadioButton jRadioButton1;
    private javax.swing.JRadioButton jRadioButton2;
    private javax.swing.JTextField jTextField1;
    private javax.swing.JTextField jTextField2;
    // End of variables declaration
}
```

Output :



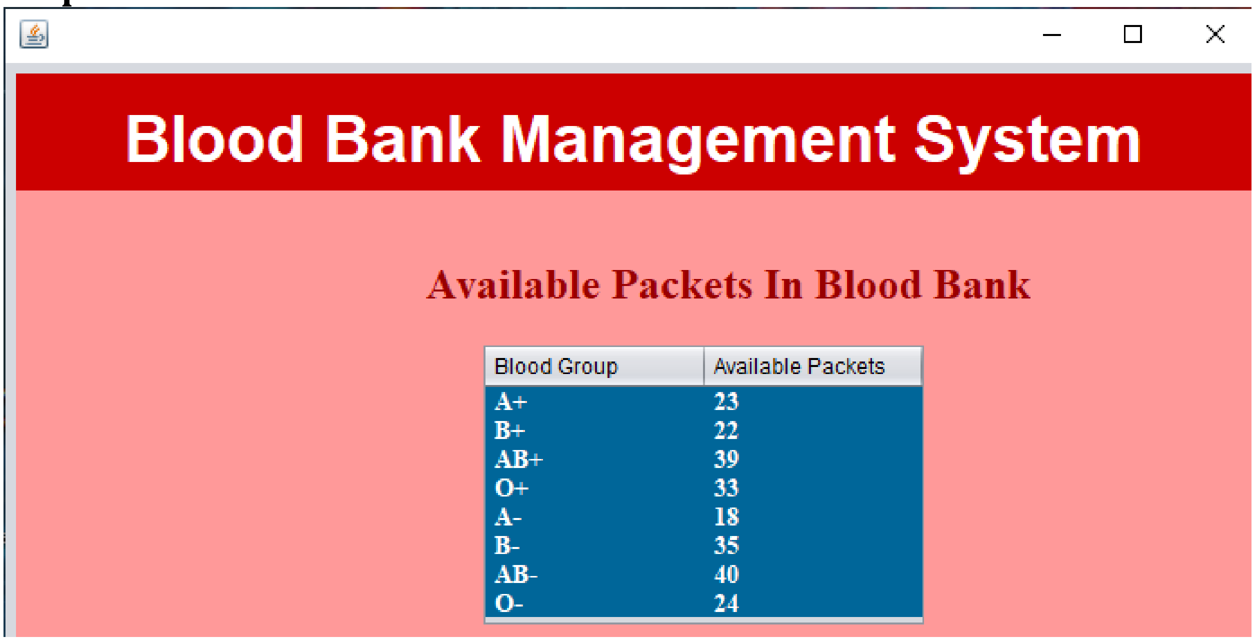
" YOUR 1 DONATION OF BLOOD

CAN SAVE UP TO 4 LIVES !"

Available_packets.java :

```
package blood_donation_system;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.table.DefaultTableModel;

/**
 *
 * @author joyjit
 */
public class Available_packets extends javax.swing.JFrame {
    public Available_packets() {
        initComponents();
        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection
con=DriverManager.getConnection("jdbc:mysql://localhost/blooddonation","root","");
            Statement st=con.createStatement();
            ResultSet rs=st.executeQuery("select * from available_pac ");
            DefaultTableModel tb=(DefaultTableModel)jTable1.getModel();
            if(tb.getRowCount()>0)
            {
              tb.removeRow(0);
              tb.setRowCount(0);
            }
            while(rs.next())
            {
                String name =rs.getString(1);
                String pac=rs.getString(2);

                String toData[]={name,pac};
                tb.addRow(toData);
            }
        } catch (Exception ex) {
            Logger.getLogger(Available_packets.class.getName()).log(Level.SEVERE, null, ex);
        }

    }

      public static void main(String args[]) {

        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Available_packets().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel17;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JTable jTable1;
    // End of variables declaration

}
```

Output :



Blood Bank Management System

Available Packets In Blood Bank

Blood Group	Available Packets
A+	23
B+	22
AB+	39
O+	33
A-	18
B-	35
AB-	40
O-	24

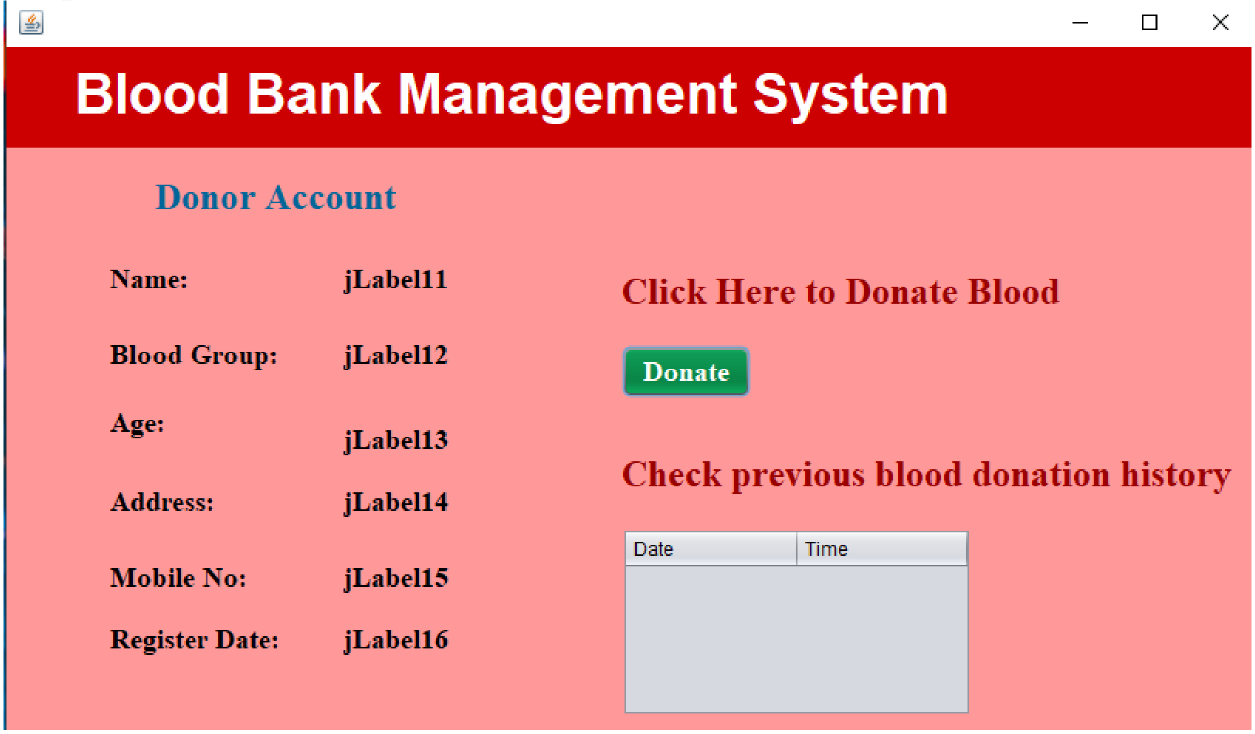
Donor_account.java :

```
package blood_donation_system;

import java.sql.PreparedStatement;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

/**
 *
 * @author joyjit
 */
public class Donor_account extends javax.swing.JFrame {
   String user,type;

   public Donor_account( String user) {
      try {
            initComponents();
            this.user=user;
            Class.forName("com.mysql.jdbc.Driver");
            Connection
con=DriverManager.getConnection("jdbc:mysql://localhost/blooddonation","root","");
            Statement st=con.createStatement();
            ResultSet rs= st.executeQuery("select * from donor where username='"+user+"'");
            rs.next();
            type=rs.getString(3);
            jLabel11.setText(rs.getString(2));
            jLabel12.setText(rs.getString(3));
            jLabel13.setText(rs.getString(5));
            jLabel14.setText(rs.getString(6));
            jLabel15.setText(rs.getString(7));
            jLabel16.setText(rs.getString(8));
            ResultSet rs2=st.executeQuery("select * from donorhistory where user='"+user+"'");
            DefaultTableModel tb=(DefaultTableModel)jTable1.getModel();
            while(rs2.next())
            {
                String date =rs2.getString(3);
                String time=rs2.getString(4);

                String toData[]={date,time};
                tb.addRow(toData);
            }
            if(tb.getRowCount()==0)
            {
                String new1="Fist Time  ";
                String new2="Donating Blood";
                String toData[]={new1,new2};
                tb.addRow(toData);
            }



        } catch (Exception ex) {
            Logger.getLogger(Donor_account.class.getName()).log(Level.SEVERE, null, ex);
        }
    }


    @SuppressWarnings("unchecked")
    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:

        String date=String.valueOf(java.time.LocalDate.now());
        String time=String.valueOf(java.time.LocalTime.now());
        try {
```

```
        Class.forName("com.mysql.jdbc.Driver");
        Connection
con=DriverManager.getConnection("jdbc:mysql://localhost/blooddonation","root","");

        PreparedStatement st=con.prepareStatement("insert into donorhistory values(?,?,?,?)");
        String myuser=user;
        String blood=type;
        st.setString(1,type);
        st.setString(2,myuser);
        st.setString(3,date);
        st.setString(4,time);
        st.executeUpdate();
        Statement stm=con.createStatement();
        ResultSet rs=st.executeQuery("select * from available_pac where name='"+type+"'");
        rs.next();
        int no=Integer.parseInt(rs.getString(2));
        no=no+1;
        JOptionPane.showMessageDialog(this,"THANK YOU FOR DONATION!!");
        PreparedStatement st2=con.prepareStatement("update available_pac set available='"+no+"'
where name='"+type+"'");
        st2.executeUpdate();

         ResultSet rs2=st.executeQuery("select * from donorhistory where user='"+myuser+"'");
       DefaultTableModel tb=(DefaultTableModel)jTable1.getModel();
       if(tb.getRowCount()>0)
       {
          tb.removeRow(0);
          tb.setRowCount(0);
       }
        while(rs2.next())
        {
           String date1 =rs2.getString(3);
           String time1=rs2.getString(4);

           String toData[]={date1,time1};
           tb.addRow(toData);
        }
        new start_page().setVisible(true);




     } catch (Exception ex) {
        Logger.getLogger(Donor_account.class.getName()).log(Level.SEVERE, null, ex);
     }
```

```
    }

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(Donor_account.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Donor_account.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Donor_account.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Donor_account.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Donor_account("user").setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel10;
    private javax.swing.JLabel jLabel11;
    private javax.swing.JLabel jLabel12;
    private javax.swing.JLabel jLabel13;
    private javax.swing.JLabel jLabel14;
    private javax.swing.JLabel jLabel15;
    private javax.swing.JLabel jLabel16;
    private javax.swing.JLabel jLabel17;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JLabel jLabel6;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JLabel jLabel8;
    private javax.swing.JLabel jLabel9;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JTable jTable1;
    // End of variables declaration
}
```

Output :



Blood Bank Management System

Donor Account

Name: jLabel11

Blood Group: jLabel12

Age: jLabel13

Address: jLabel14

Mobile No: jLabel15

Register Date: jLabel16

Click Here to Donate Blood

Check previous blood donation history

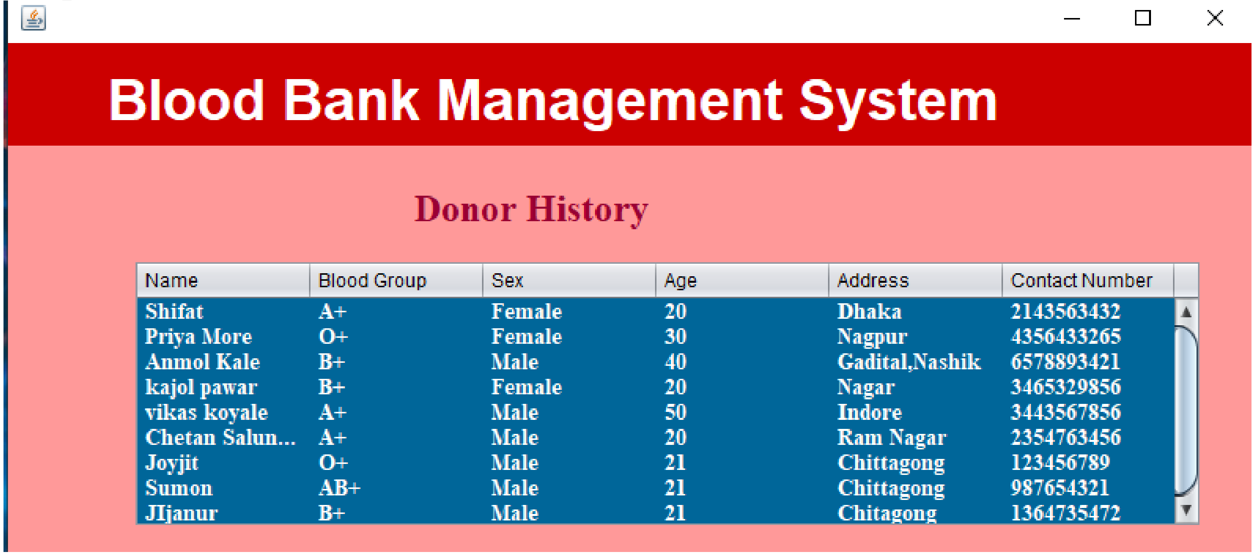
Date	Time

Donor_history.java :

```
package blood_donation_system;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.table.DefaultTableModel;

public class Donor_history extends javax.swing.JFrame {


    public Donor_history() {
        initComponents();
        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection
con=DriverManager.getConnection("jdbc:mysql://localhost/blooddonation","root","");
            Statement st=con.createStatement();
            ResultSet rs=st.executeQuery("select * from donor");
            DefaultTableModel tb=(DefaultTableModel)jTable1.getModel();
            if(tb.getRowCount()>0)
            {
               tb.removeRow(0);
               tb.setRowCount(0);
            }
            while(rs.next())
            {
                String name =rs.getString(2);
                String grp=rs.getString(3);
                String sex=rs.getString(4);
                String age=rs.getString(5);
                String add=rs.getString(6);
                String phone=rs.getString(7);
                String toData[]={name,grp,sex,age,add,phone};
                tb.addRow(toData);
            }
        } catch (Exception ex) {
            Logger.getLogger(Donor_history.class.getName()).log(Level.SEVERE, null, ex);
        }

    }
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(Donor_history.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (InstantiationException ex) {
```

```
java.util.logging.Logger.getLogger(Donor_history.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Donor_history.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Donor_history.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
        }
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Donor_history().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel17;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JTable jTable1;
    // End of variables declaration
}
```

Output :



Blood Bank Management System

Donor History

Name	Blood Group	Sex	Age	Address	Contact Number
Shifat	A+	Female	20	Dhaka	2143563432
Priya More	O+	Female	30	Nagpur	4356433265
Anmol Kale	B+	Male	40	Gadital,Nashik	6578893421
kajol pawar	B+	Female	20	Nagar	3465329856
vikas koyale	A+	Male	50	Indore	3443567856
Chetan Salun...	A+	Male	20	Ram Nagar	2354763456
Joyjit	O+	Male	21	Chittagong	123456789
Sumon	AB+	Male	21	Chittagong	987654321
JIjanur	B+	Male	21	Chitagong	1364735472

Donor_reg.java :

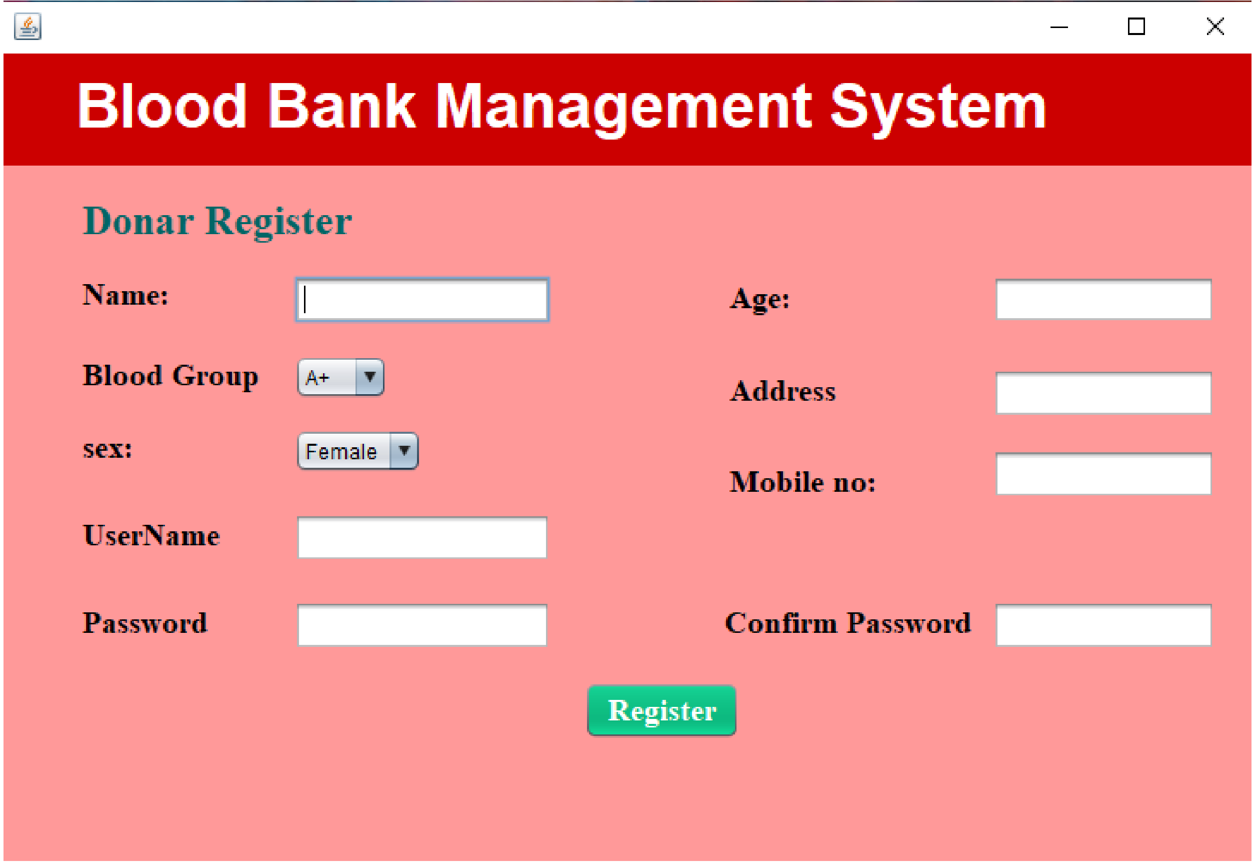
```
package blood_donation_system;

import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.DriverManager;
import java.sql.Statement;
import java.sql.ResultSet;

public class Donor_reg extends javax.swing.JFrame {

  public Donor_reg() {
    initComponents();
  }

 private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    String name=jTextField1.getText();
    String group=jComboBox1.getSelectedItem().toString();
    String sex=jComboBox2.getSelectedItem().toString();
    String age=jTextField2.getText();
```

```
        String add=jTextField3.getText();
        String mobile=jTextField5.getText();
        String user=jTextField8.getText();
        String pass=jTextField6.getText();
        String conpass=jTextField7.getText();
        if(name.equals("") || group.equals("")||
sex.equals("")||add.equals("")||mobile.equals("")||user.equals("")||pass.equals("")||conpass.equals("
"))
        {
          JOptionPane.showMessageDialog(this, "All field are required");
        }
        else
        {
          if(pass.equals(conpass)==false)
          {
            JOptionPane.showMessageDialog(this, "Password and Confirm Password must be match..");
          }
          else
          {
            try {
              Class.forName("com.mysql.jdbc.Driver");
              Connection
con=DriverManager.getConnection("jdbc:mysql://localhost/blooddonation","root","");
              Statement stmt=con.createStatement();
              ResultSet rs=stmt.executeQuery("select count(*) from donor");
              rs.next();
              String date=String.valueOf(java.time.LocalDate.now());
              String no=rs.getString(1);
              int no1=Integer.parseInt(no)+1;
              PreparedStatement st=con.prepareStatement("insert into donor values(?,?,?,?,?,?,?,?,?,?)");
             st.setInt(1,no1);
             st.setString(2,name);
             st.setString(3,group);
             st.setString(4,sex);
             st.setString(5,age);
             st.setString(6,add);
             st.setString(7, mobile);
             st.setString(8, date);
             st.setString(9, user);
             st.setString(10, pass);
             st.executeUpdate();
             JOptionPane.showMessageDialog(this,"Register Successful!!");

            } catch (Exception ex) {
              Logger.getLogger(Donor_reg.class.getName()).log(Level.SEVERE, null, ex);
            }

          }
```

```
    }




}

private void jComboBox2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jTextField5ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jTextField6ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jTextField7ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new Donor_reg().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JComboBox<String> jComboBox1;
private javax.swing.JComboBox<String> jComboBox2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
```

```
    private javax.swing.JLabel jLabel8;
    private javax.swing.JLabel jLabel9;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JTextField jTextField1;
    private javax.swing.JTextField jTextField2;
    private javax.swing.JTextField jTextField3;
    private javax.swing.JTextField jTextField5;
    private javax.swing.JTextField jTextField6;
    private javax.swing.JTextField jTextField7;
    private javax.swing.JTextField jTextField8;
    // End of variables declaration
}
```

Output :



Blood Bank Management System

Donar Register

Name:

Age:

Blood Group A+

Address

sex: Female

Mobile no:

UserName

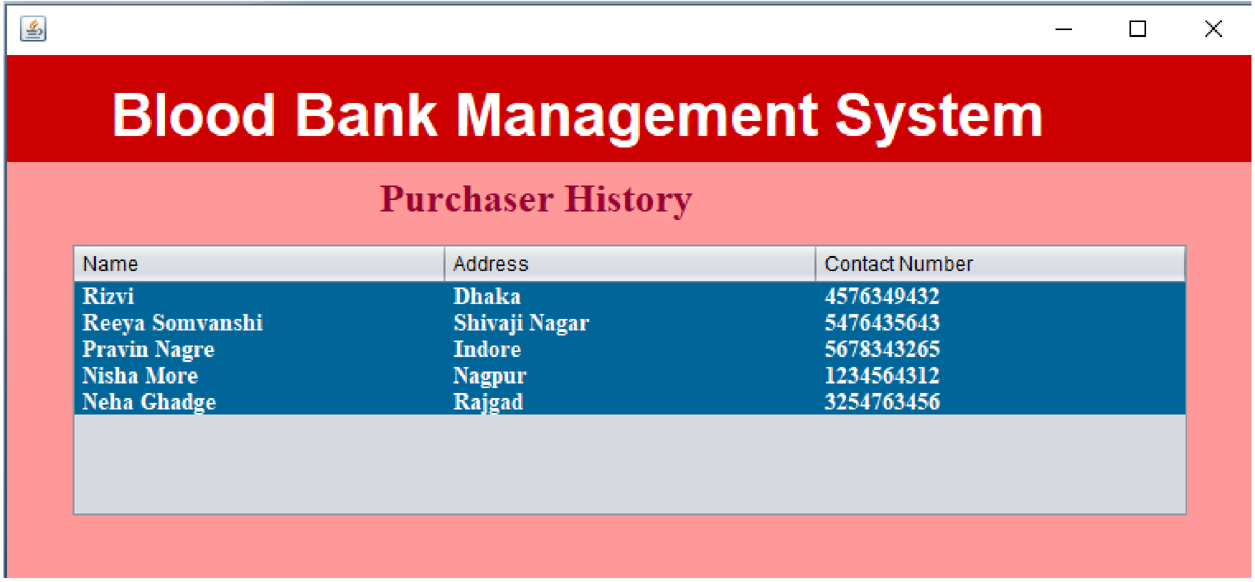
Password

Confirm Password

Purchase_History.java :

```
package blood_donation_system;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.table.DefaultTableModel;

public class Purchase_History extends javax.swing.JFrame {

    public Purchase_History() {
        initComponents();
         try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection
con=DriverManager.getConnection("jdbc:mysql://localhost/blooddonation","root","");
            Statement st=con.createStatement();
            ResultSet rs=st.executeQuery("select * from purchaser");
            DefaultTableModel tb=(DefaultTableModel)jTable1.getModel();
            if(tb.getRowCount()>0)
            {
               tb.removeRow(0);
               tb.setRowCount(0);
            }
            while(rs.next())
            {
                String name =rs.getString(2);
                String Contact=rs.getString(4);
                String add=rs.getString(3);
                String toData[]={name,Contact,add};
                tb.addRow(toData);
            }
        } catch (Exception ex) {
            Logger.getLogger(Donor_history.class.getName()).log(Level.SEVERE, null, ex);
        }

    }
public static void main(String args[]) {
java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Purchase_History().setVisible(true);
        }
      });
    }

    // Variables declaration - do not modify
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel17;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JTable jTable1;
    // End of variables declaration
}
```

Output :



Blood Bank Management System

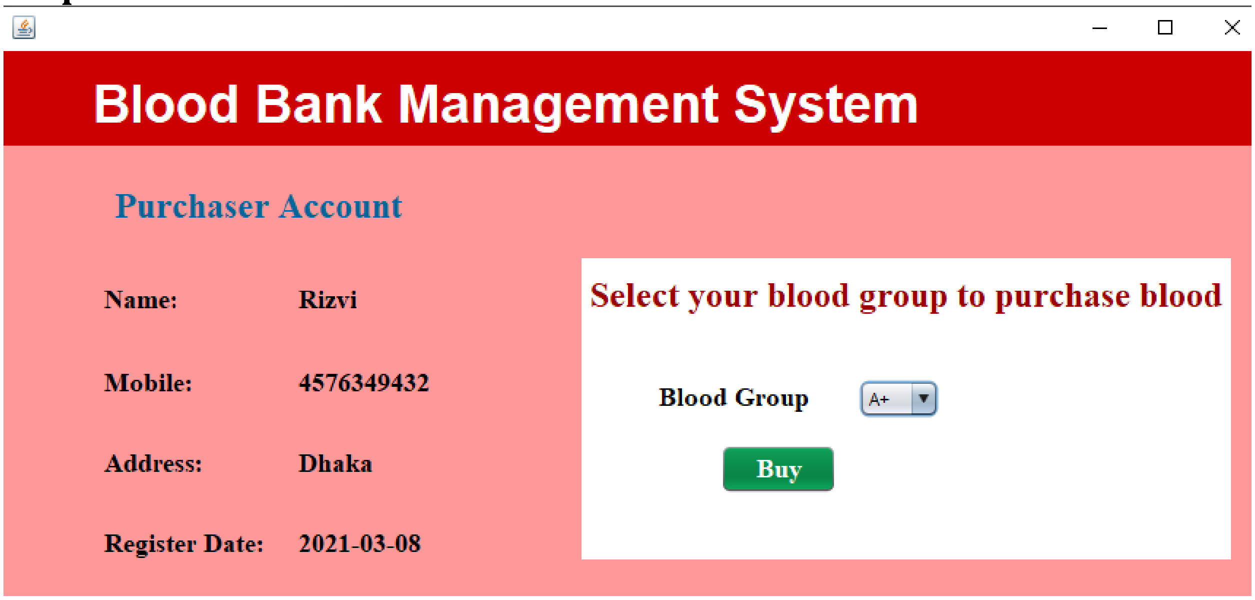
Purchaser History

Name	Address	Contact Number
Rizvi	Dhaka	4576349432
Reeya Somvanshi	Shivaji Nagar	5476435643
Pravin Nagre	Indore	5678343265
Nisha More	Nagpur	1234564312
Neha Ghadge	Rajgad	3254763456

Purchase_account.java :

```
package blood_donation_system;


import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.DriverManager;
import java.sql.Statement;
import java.sql.ResultSet;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;

public class Purchaser_account extends javax.swing.JFrame {
public Purchaser_account(String user) {
        try {
            initComponents();
            Class.forName("com.mysql.jdbc.Driver");
            Connection
con=DriverManager.getConnection("jdbc:mysql://localhost/blooddonation","root","");

            Statement st=con.createStatement();
            ResultSet rs= st.executeQuery("select * from purchaser where user='"+user+"'");
            rs.next();
            jLabel7.setText(rs.getString(2));
            jLabel8.setText(rs.getString(3));
            jLabel9.setText(rs.getString(4));
            jLabel10.setText(rs.getString(7));

        } catch (Exception ex) {
            Logger.getLogger(Purchaser_account.class.getName()).log(Level.SEVERE, null, ex);
        }

    }
    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        try {
            // TODO add your handling code here:
            String type=jComboBox1.getSelectedItem().toString();
            Class.forName("com.mysql.jdbc.Driver");
            Connection
con=DriverManager.getConnection("jdbc:mysql://localhost/blooddonation","root","");
            Statement st=con.createStatement();
            ResultSet rs=st.executeQuery("select * from available_pac where name='"+type+"'");
            rs.next();
            int no=rs.getInt(2)-1;
            PreparedStatement stm=con.prepareStatement("update available_pac set available='"+no+"'
where name='"+type+"'");
            stm.executeUpdate();
            JOptionPane.showMessageDialog(this,"Purchase Successful!!");
            new start_page().setVisible(true);
        } catch (Exception ex) {
            Logger.getLogger(Purchaser_account.class.getName()).log(Level.SEVERE, null, ex);
        }
    }
public static void main(String args[]) {
  java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Purchaser_account("user").setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JComboBox<String> jComboBox1;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel10;
    private javax.swing.JLabel jLabel11;
    private javax.swing.JLabel jLabel12;
    private javax.swing.JLabel jLabel17;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JLabel jLabel6;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JLabel jLabel8;
    private javax.swing.JLabel jLabel9;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JPanel jPanel3;
    // End of variables declaration
}
```

Output :



Blood Bank Management System

Purchaser Account

Name: Rizvi

Mobile: 4576349432

Address: Dhaka

Register Date: 2021-03-08

Select your blood group to purchase blood

Blood Group: A+

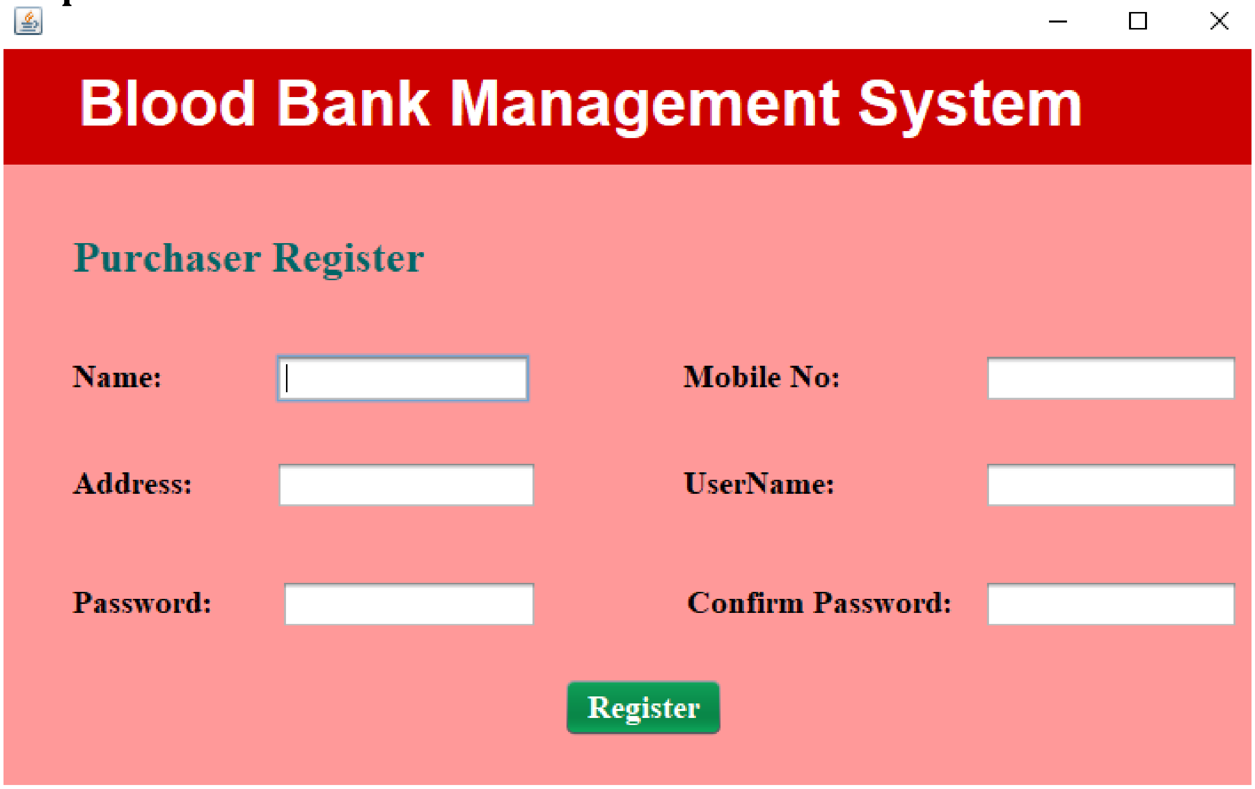
Purchase_History.java :

```
package blood_donation_system;

import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.DriverManager;
import java.sql.Statement;
import java.sql.ResultSet;

import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;

public class Purchaser_reg extends javax.swing.JFrame {


    public Purchaser_reg() {
        initComponents();
    }
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:

       String name=jTextField1.getText();
       String add=jTextField2.getText();
       String pass=jTextField4.getText();
       String mobile=jTextField3.getText();
       String user=jTextField6.getText();
       String conpass=jTextField5.getText();

       if(name.equals("")||
add.equals("")||pass.equals("")||mobile.equals("")||user.equals("")||conpass.equals(""))
       {
           JOptionPane.showMessageDialog(this,"All fields are required");
       }
       else
       {
           if(pass.equals(conpass)==false)
           {
               JOptionPane.showMessageDialog(this,"Password and Confirm Password must be match..");
           }
           else
           {
               try {
                   Class.forName("com.mysql.jdbc.Driver");
```

```
          Connection
con=DriverManager.getConnection("jdbc:mysql://localhost/blooddonation","root","");
          Statement st=con.createStatement();
          ResultSet rs= st.executeQuery("select count(*) from purchaser");
          rs.next();
          String date=String.valueOf(java.time.LocalDate.now());
          int no=Integer.parseInt(rs.getString(1))+1;
          PreparedStatement stm=con.prepareStatement("insert into purchaser values(?,?,?,?,?,?,?)");
          stm.setInt(1, no);
          stm.setString(2, name);
          stm.setString(3,mobile);
          stm.setString(4,add);
          stm.setString(5, user);
          stm.setString(6, pass);
          stm.setString(7, date);
          stm.executeUpdate();
          JOptionPane.showMessageDialog(this,"Register Successful");
          new start_page().setVisible(true);
        } catch (Exception ex) {
          Logger.getLogger(Purchaser_reg.class.getName()).log(Level.SEVERE, null, ex);
        }
      }
    }


  }
public static void main(String args[]) {
java.awt.EventQueue.invokeLater(new Runnable() {
      public void run() {
        new Purchaser_reg().setVisible(true);
      }
    });
  }

  // Variables declaration - do not modify
  private javax.swing.JButton jButton1;
  private javax.swing.JLabel jLabel1;
  private javax.swing.JLabel jLabel3;
  private javax.swing.JLabel jLabel4;
  private javax.swing.JLabel jLabel5;
  private javax.swing.JLabel jLabel6;
  private javax.swing.JLabel jLabel7;
  private javax.swing.JLabel jLabel8;
  private javax.swing.JLabel jLabel9;
  private javax.swing.JPanel jPanel1;
  private javax.swing.JPanel jPanel2;
  private javax.swing.JTextField jTextField1;
  private javax.swing.JTextField jTextField2;
```

```
    private javax.swing.JTextField jTextField3;
    private javax.swing.JTextField jTextField4;
    private javax.swing.JTextField jTextField5;
    private javax.swing.JTextField jTextField6;
    // End of variables declaration
}
```

Output :



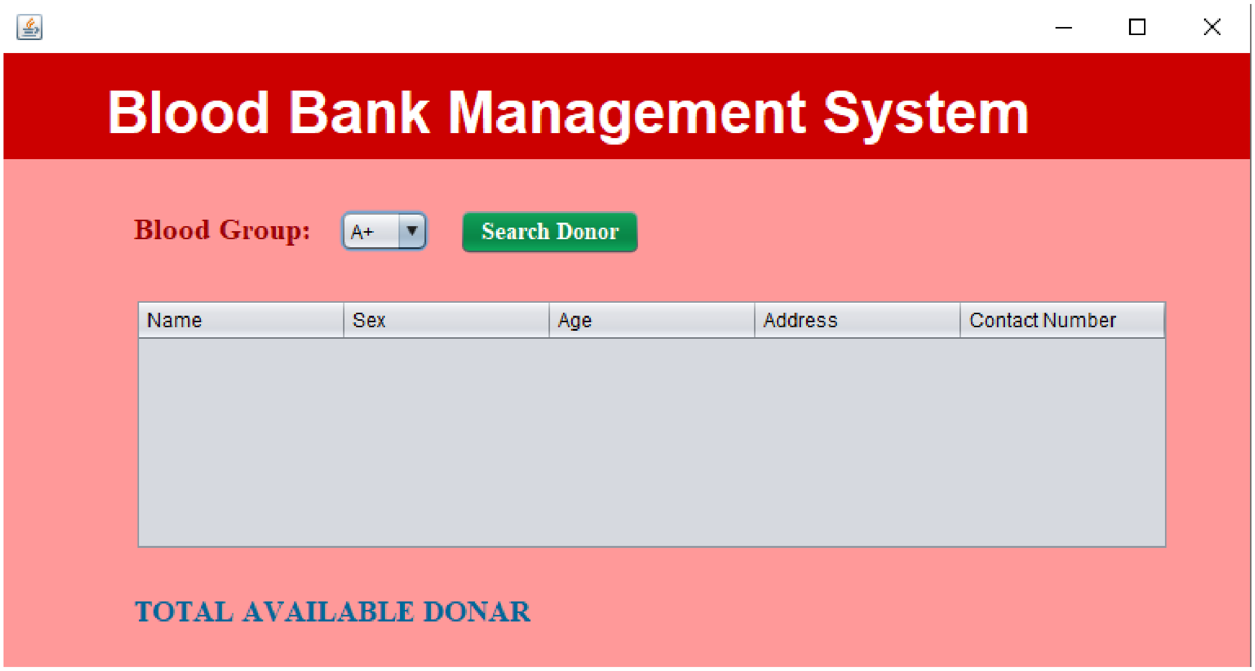
Purchase_History.java :

```
package blood_donation_system;

import java.util.logging.Level;
import java.util.logging.Logger;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.DriverManager;
import java.sql.Statement;
import java.sql.ResultSet;
import javax.swing.table.DefaultTableModel;
```

```
public class search_donor extends javax.swing.JFrame {

  /**
   * Creates new form search_donor
   */
  public search_donor() {
    initComponents();
  }
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    String type=jComboBox1.getSelectedItem().toString();
    try {
      Class.forName("com.mysql.jdbc.Driver");
      Connection
con=DriverManager.getConnection("jdbc:mysql://localhost/blooddonation","root","");
      Statement st=con.createStatement();
      ResultSet rs=st.executeQuery("select * from donor where bloodgroup='"+type+"'");
      DefaultTableModel tb=(DefaultTableModel)jTable1.getModel();
      if(tb.getRowCount()>0)
      {
        tb.removeRow(0);
        tb.setRowCount(0);
      }
      while(rs.next())
      {
         String name =rs.getString(2);
         String sex=rs.getString(4);
         String age=rs.getString(5);
         String add=rs.getString(6);
         String phone=rs.getString(7);
         String toData[]={name,sex,age,add,phone};
         tb.addRow(toData);
      }
     jLabel3.setText("TOTAL "+String.valueOf(tb.getRowCount())+" DONOR AVAILABLE FOR "+type+"
BLOOD GROUP") ;
    } catch (Exception ex) {
      Logger.getLogger(search_donor.class.getName()).log(Level.SEVERE, null, ex);
    }

  }
public static void main(String args[]) {
java.awt.EventQueue.invokeLater(new Runnable() {
      public void run() {
         new search_donor().setVisible(true);
      }
    });
  }
```

```
    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JComboBox<String> jComboBox1;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel17;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JTable jTable1;
    // End of variables declaration
}
```

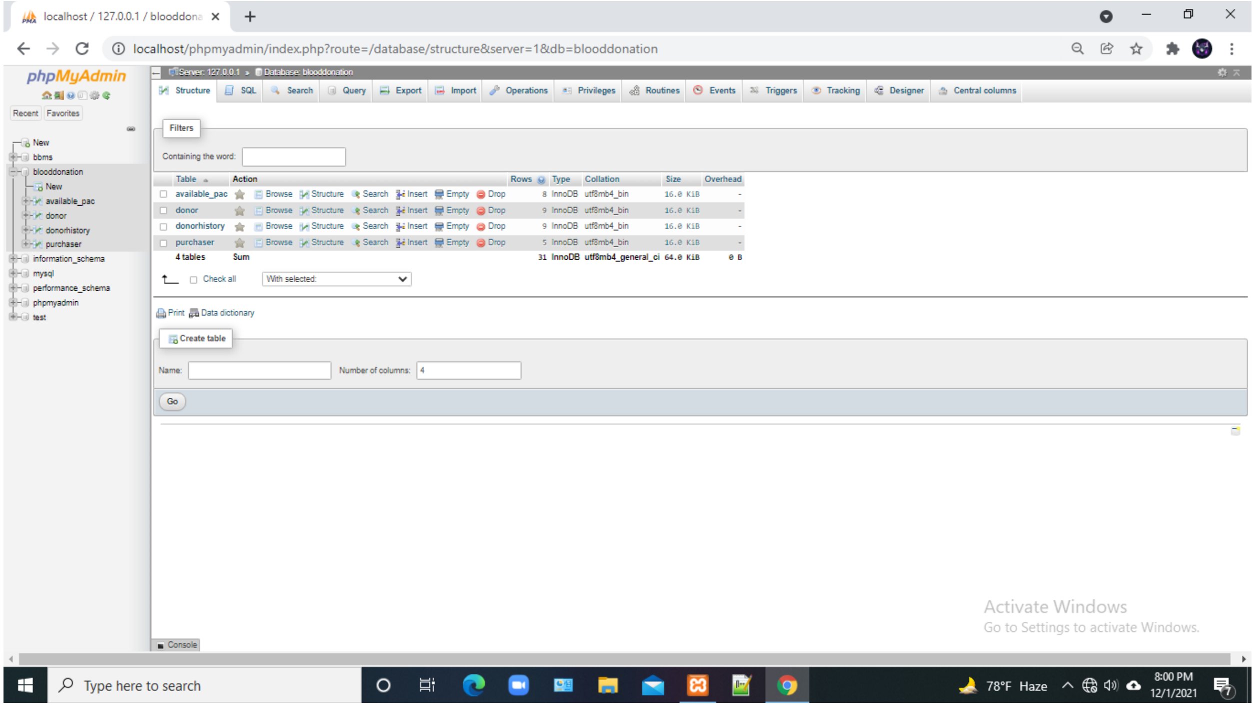
Output :



Blood Bank Management System

Name	Sex	Age	Address	Contact Number

3)Connecting the project to the database(localhost/phpmyadmin) :



localhost/phpmyadmin/index.php?route=/database/structure&server=1&db=blooddonation

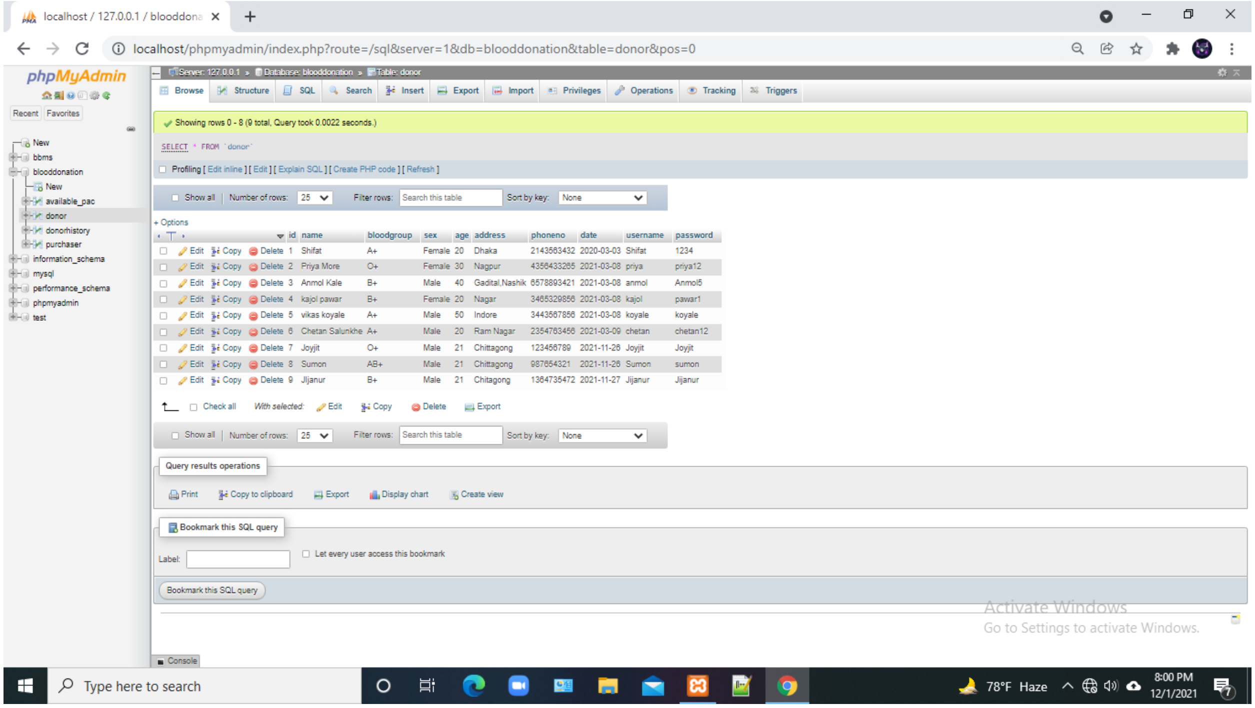
Server: 127.0.0.1 » Database: blooddonation

	Table	Action							Rows	Type	Collation	Size	Overhead
□	available_pac	☆	Browse	Structure	Search	Insert	Empty	Drop	8	InnoDB	utf8mb4_bin	16.0 KiB	-
□	donor	☆	Browse	Structure	Search	Insert	Empty	Drop	9	InnoDB	utf8mb4_bin	16.0 KiB	-
□	donorhistory	☆	Browse	Structure	Search	Insert	Empty	Drop	9	InnoDB	utf8mb4_bin	16.0 KiB	-
□	purchaser	☆	Browse	Structure	Search	Insert	Empty	Drop	5	InnoDB	utf8mb4_bin	16.0 KiB	-
	4 tables	Sum							31	InnoDB	utf8mb4_general_ci	64.0 KiB	0 B

Containing the word:

Name:

Number of columns: 4

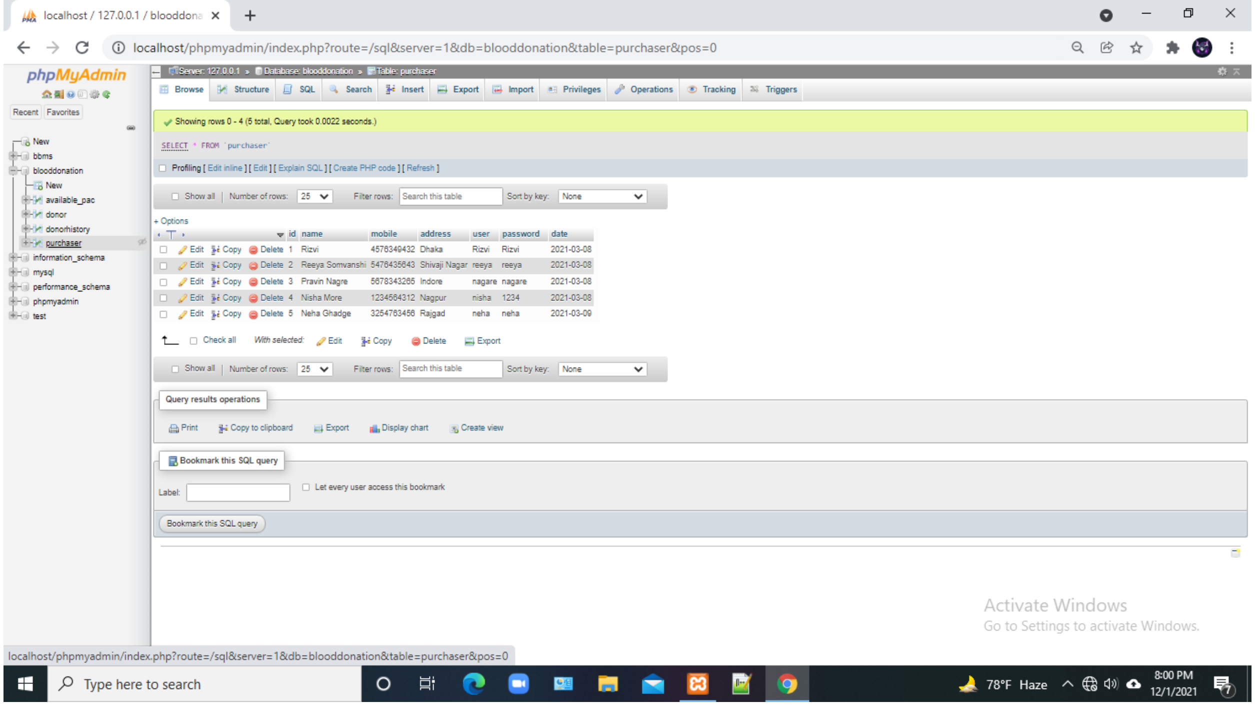


localhost/phpmyadmin/index.php?route=/sql&server=1&db=blooddonation&table=donor&pos=0

Showing rows 0 - 8 (9 total, Query took 0.0022 seconds.)

```
SELECT * FROM `donor`
```

id	name	bloodgroup	sex	age	address	phoneno	date	username	password
1	Shifat	A+	Female	20	Dhaka	2143563432	2020-03-03	Shifat	1234
2	Priya More	O+	Female	30	Nagpur	4356433265	2021-03-08	priya	priya12
3	Anmol Kale	B+	Male	40	Gadital,Nashik	6578893421	2021-03-08	anmol	Anmol5
4	kajol pawar	B+	Female	20	Nagar	3465329856	2021-03-08	kajol	pawar1
5	vikas koyale	A+	Male	50	Indore	3443567856	2021-03-08	koyale	koyale
6	Chetan Salunkhe	A+	Male	20	Ram Nagar	2354763456	2021-03-09	chetan	chetan12
7	Joyjit	O+	Male	21	Chittagong	123456789	2021-11-26	Joyjit	Joyjit
8	Sumon	AB+	Male	21	Chittagong	987654321	2021-11-26	Sumon	sumon
9	JIjanur	B+	Male	21	Chitagong	1364735472	2021-11-27	Jijanur	Jijanur

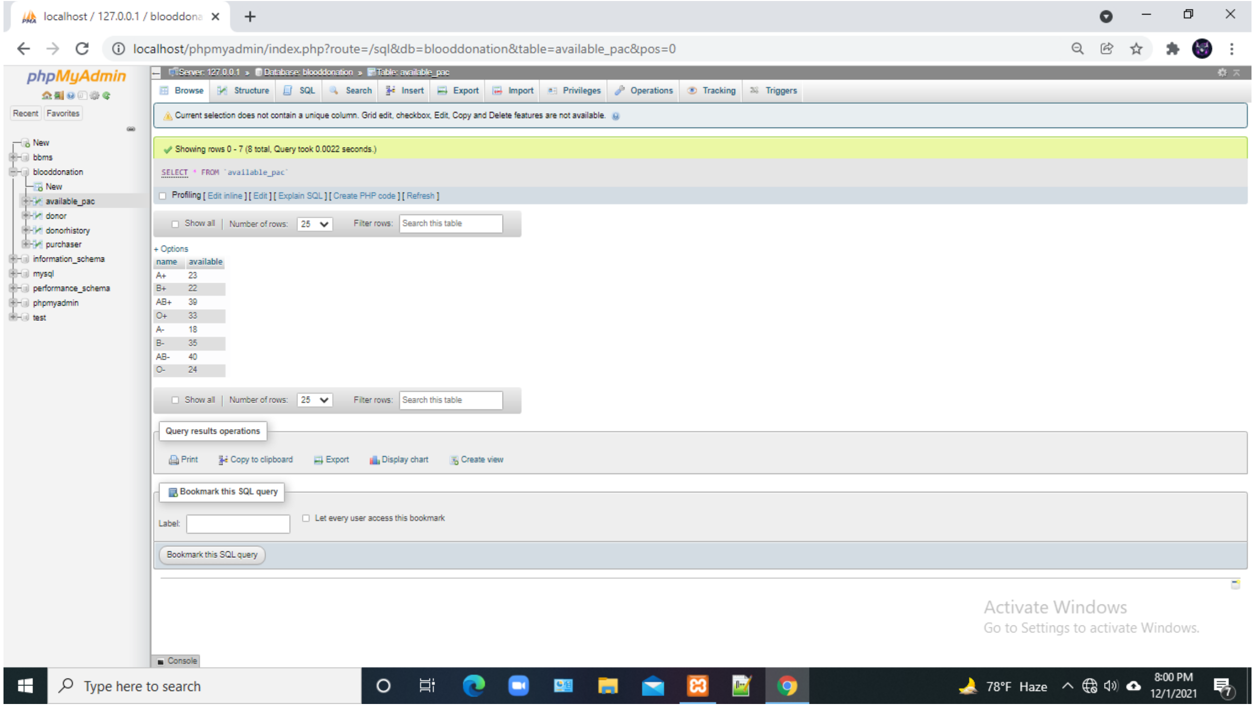


localhost/phpmyadmin/index.php?route=/sql&server=1&db=blooddonation&table=purchaser&pos=0

Showing rows 0 - 4 (5 total, Query took 0.0022 seconds.)

```
SELECT * FROM `purchaser`
```

id	name	mobile	address	user	password	date
1	Rizvi	4578349432	Dhaka	Rizvi	Rizvi	2021-03-08
2	Reeya Somvanshi	5476435643	Shivaji Nagar	reeya	reeya	2021-03-08
3	Pravin Nagre	5678343265	Indore	nagare	nagare	2021-03-08
4	Nisha More	1234564312	Nagpur	nisha	1234	2021-03-08
5	Neha Ghadge	3254763456	Rajgad	neha	neha	2021-03-09



localhost/phpmyadmin/index.php?route=/sql&db=blooddonation&table=available_pac&pos=0

Server: 127.0.0.1 » Database: blooddonation » Table: available_pac

⚠ Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

✓ Showing rows 0 - 7 (8 total, Query took 0.0022 seconds.)

```
SELECT * FROM `available_pac`
```

□ Show all | Number of rows: 25 Filter rows: Search this table

+ Options

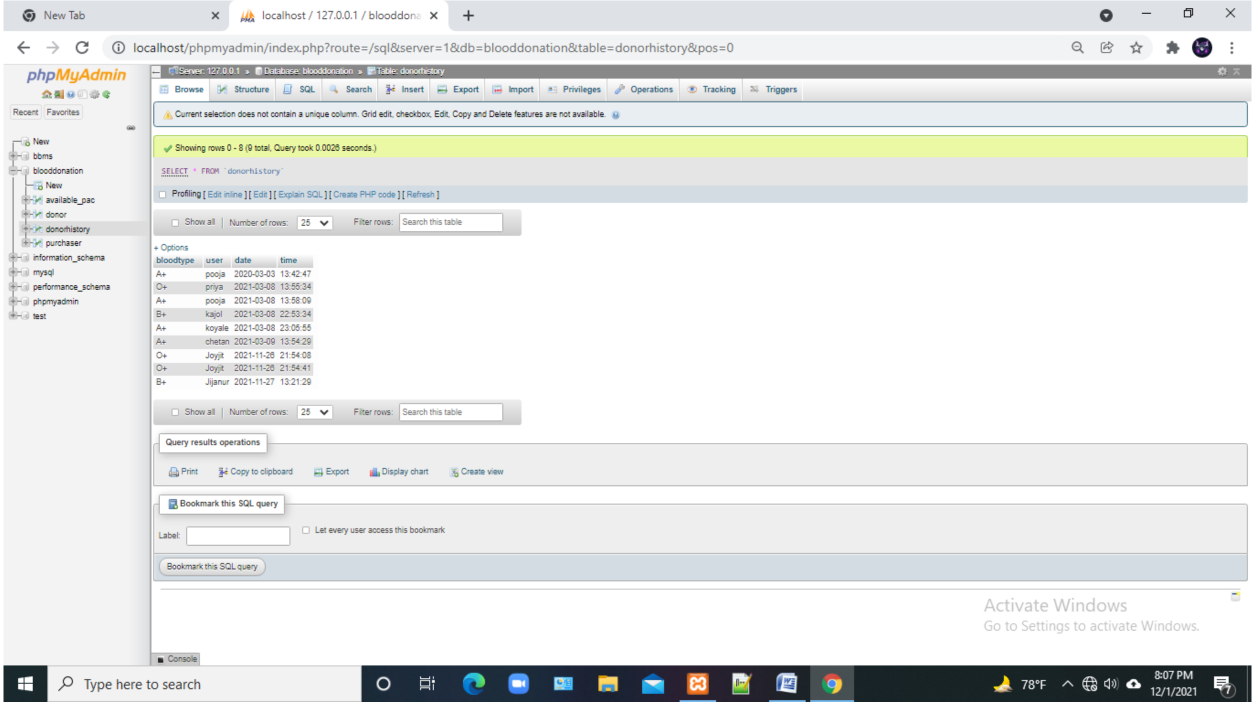
name	available
A+	23
B+	22
AB+	39
O+	33
A-	18
B-	35
AB-	40
O-	24

□ Show all | Number of rows: 25 Filter rows: Search this table

Label: □ Let every user access this bookmark

Activate Windows
Go to Settings to activate Windows.

8:00 PM
12/1/2021



localhost/phpmyadmin/index.php?route=/sql&server=1&db=blooddonation&table=donorhistory&pos=0

Server: 127.0.0.1 » Database: blooddonation » Table: donorhistory

⚠ Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

✓ Showing rows 0 - 8 (9 total, Query took 0.0026 seconds.)

```
SELECT * FROM `donorhistory`
```

□ Show all | Number of rows: 25 Filter rows: Search this table

+ Options

bloodtype	user	date	time
A+	pooja	2020-03-03	13:42:47
O+	priya	2021-03-08	13:55:34
A+	pooja	2021-03-08	13:58:09
B+	kajol	2021-03-08	22:53:34
A+	koyale	2021-03-08	23:05:55
A+	chetan	2021-03-09	13:54:29
O+	Joyjit	2021-11-26	21:54:08
O+	Joyjit	2021-11-26	21:54:41
B+	Jijanur	2021-11-27	13:21:29

□ Show all | Number of rows: 25 Filter rows: Search this table

Label: □ Let every user access this bookmark

Activate Windows
Go to Settings to activate Windows.

8:07 PM
12/1/2021