Topic: Application form QR code

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Q. Create a system in java using swing to accept the details of the user and display those details on the screen also add QR code functionality to this for where user can pay the fees. Add the college logo on top left corner. Also Print registration successful if the user is registered successfully.

Code:

```java
import javax.swing.*;

import java.awt.*;


import java.awt.event.*;

import java.awt.print.*;




class MyFrame
    extends JFrame
    implements ActionListener {

    private Container a;
    private JLabel title;
    private JLabel name;
    private JTextField tname;
    private JLabel prn;
    private JTextField tprn;
    private JLabel logo;



    private JLabel mobile;



    private JTextField tmobile;
    private JLabel gender;
    private JRadioButton male;
    private JRadioButton female;

    private ButtonGroup gengp;
    private JLabel dob;
    private JComboBox date;
    private JComboBox month;
    private JComboBox year;


    private JComboBox gradyear;
    private JLabel add;
    private JTextArea tadd;
    private JCheckBox term;
    private JButton sub;
    private JButton reset;
    private JTextArea tout;
    private JLabel res;
    private JTextArea resadd;

    private String dates[]
        = { "1", "2", "3", "4", "5",
        "6", "7", "8", "9", "10",
        "11", "12", "13", "14", "15",
        "16", "17", "18", "19", "20",
        "21", "22", "23", "24", "25",
        "26", "27", "28", "29", "30",
        "31" };
    private String months[]
        = { "Jan", "feb", "Mar", "Apr",
```

```java
    "May", "Jun", "July", "Aug",
    "Sup", "Oct", "Nov", "Dec" };
private String years[]
    = { "1995", "1996", "1997", "1998",
    "1999", "2000", "2001", "2002",
    "2003", "2004", "2005", "2006",
    "2007", "2008", "2009", "2010",
    "2011", "2012", "2013", "2014",
    "2015", "2016", "2017", "2018",
    "2019" };


private String gradyears[]
    ={ "2023", "2024", "2025","2026"};


public MyFrame()
{

    setTitle("Application Form Of VIT");
    setBounds(300, 90, 900, 700);
    setDefaultCloseOperation(EXIT_ON_CLOSE);
    setResizable(false);

    a = getContentPane();
    a.setLayout(null);



    title = new JLabel("VIT Application Form");
    title.setFont(new Font("Arial", Font.PLAIN, 30));
    title.setSize(300, 30);
    title.setLocation(300, 30);
    a.add(title);

    logo = new JLabel();
    ImageIcon icon = new ImageIcon("./logo.jpg");
    logo.setIcon(icon);
    logo.setBounds(200, 30, 50, 50);
    // logo.setLocation(200, 30);
    // logo.setSize(300, 30);
    a.add(logo);

    name = new JLabel("Name");
    name.setFont(new Font("Arial", Font.PLAIN, 20));
    name.setSize(100, 20);
    name.setLocation(100, 100);
    a.add(name);

    tname = new JTextField();
    tname.setFont(new Font("Arial", Font.PLAIN, 15));
    tname.setSize(190, 20);
    tname.setLocation(200, 100);
    a.add(tname);

    prn = new JLabel("PRN");
    prn.setFont(new Font("Arial", Font.PLAIN, 20));
    prn.setSize(100, 20);
    prn.setLocation(100, 150);
    a.add(prn);

    tprn = new JTextField();
    tprn.setFont(new Font("Arial", Font.PLAIN, 15));
    tprn.setSize(150, 20);
    tprn.setLocation(200, 150);
    a.add(tprn);

    mobile = new JLabel("Mobile No");
    mobile.setFont(new Font("Arial", Font.PLAIN, 20));
    mobile.setSize(100, 20);
```

```java
mobile.setLocation(100, 200);

a.add(mobile);


tmobile = new JTextField();

tmobile.setFont(new Font("Arial", Font.PLAIN, 15));

tmobile.setSize(150, 20);

tmobile.setLocation(200, 200);

a.add(tmobile);


gender = new JLabel("Gender");

gender.setFont(new Font("Arial", Font.PLAIN, 20));

gender.setSize(100, 20);

gender.setLocation(100, 250);

a.add(gender);


male = new JRadioButton("Male");

male.setFont(new Font("Arial", Font.PLAIN, 15));

male.setSelected(true);

male.setSize(75, 20);

male.setLocation(200, 250);

a.add(male);


female = new JRadioButton("Female");

female.setFont(new Font("Arial", Font.PLAIN, 15));

female.setSelected(false);

female.setSize(80, 20);

female.setLocation(275, 250);

a.add(female);


gengp = new ButtonGroup();

gengp.add(male);

gengp.add(female);


dob = new JLabel("DOB");

dob.setFont(new Font("Arial", Font.PLAIN, 20));

dob.setSize(100, 20);


dob.setLocation(100, 300);

a.add(dob);


date = new JComboBox(dates);

date.setFont(new Font("Arial", Font.PLAIN, 15));

date.setSize(50, 20);

date.setLocation(200, 300);

a.add(date);


month = new JComboBox(months);

month.setFont(new Font("Arial", Font.PLAIN, 15));

month.setSize(60, 20);

month.setLocation(250, 300);

a.add(month);


year = new JComboBox(years);

year.setFont(new Font("Arial", Font.PLAIN, 15));

year.setSize(60, 20);

year.setLocation(320, 300);

a.add(year);


dob = new JLabel("Graduation Year");

dob.setFont(new Font("Arial", Font.PLAIN, 20));

dob.setSize(150, 20);

dob.setLocation(100, 350);

a.add(dob);gradyear = new JComboBox(gradyears);


gradyear.setFont(new Font("Arial", Font.PLAIN, 15));

gradyear.setSize(60, 20);

gradyear.setLocation(280, 350);

a.add(gradyear);


add = new JLabel("Address");

add.setFont(new Font("Arial", Font.PLAIN, 20));

add.setSize(100, 20);

add.setLocation(100, 400);
```

```java
        a.add(add);

        tadd = new JTextArea();
        tadd.setFont(new Font("Arial", Font.PLAIN, 15));
        tadd.setSize(200, 75);
        tadd.setLocation(200, 400);
        tadd.setLineWrap(true);
        a.add(tadd);

        term = new JCheckBox("Accept Terms And
Conditions.");
        term.setFont(new Font("Arial", Font.PLAIN, 15));
        term.setSize(250, 20);
        term.setLocation(150, 475);
        a.add(term);

        sub = new JButton("Submit");
        sub.setFont(new Font("Arial", Font.PLAIN, 15));
        sub.setSize(100, 20);
        sub.setLocation(150, 510);
        sub.addActionListener(this);
        sub.setBackground(Color.GREEN);
        a.add(sub);

        logo = new JLabel();
        ImageIcon icon1 = new ImageIcon("./qr.jpg");
        logo.setIcon(icon1);
        logo.setBounds(500, 150, 300, 300);
        // logo.setLocation(480,175);
        a.add(logo);

        reset = new JButton("Reset");
        reset.setFont(new Font("Arial", Font.PLAIN, 15));
        reset.setSize(100, 20);
        reset.setLocation(270, 510);
        reset.addActionListener(this);
        reset.setBackground(Color.GREEN);

        a.add(reset);
        a.setBackground(Color.YELLOW);

        tout = new JTextArea();
        tout.setFont(new Font("Arial", Font.PLAIN, 15));
        tout.setSize(300, 400);
        tout.setLocation(500, 100);
        tout.setLineWrap(true);
        tout.setEditable(false);
        a.add(tout);

        res = new JLabel("");
        res.setFont(new Font("Arial", Font.PLAIN, 20));
        res.setSize(500, 25);
        res.setLocation(100, 550);
        a.add(res);

        resadd = new JTextArea();
        resadd.setFont(new Font("Arial", Font.PLAIN, 15));
        resadd.setSize(200, 75);
        resadd.setLocation(580, 175);
        resadd.setLineWrap(true);
        a.add(resadd);

        setVisible(true);
    }

public void actionPerformed(ActionEvent e)
{
    if (e.getSource() == sub) {
        if (term.isSelected()) {
            String data1;
            String data
                = "Name : "
                + tname.getText() + "\n"
                + "PRN : "
```

```java
                + tprn.getText() + "\n"

                + "Mobile : "

                + tmobile.getText() + "\n";
            if (male.isSelected())

                data1 = "Gender : Male"

                    + "\n";
            else

                data1 = "Gender : Female"

                    + "\n";
            String data2

                = "DOB : "

                + (String)date.getSelectedItem()

                + "/" + (String)month.getSelectedItem()

                + "/" + (String)year.getSelectedItem()

                + "\n";
            String data3

                = "Graduation Year : "

                + (String)gradyear.getSelectedItem() + "\n";
            String data4 = "Address : " + tadd.getText();

            tout.setText(data + data1 + data2 + data3 +
data4);

            tout.setEditable(false);

            res.setText("Registration Successful..");
        }
        else {
            tout.setText("");
            resadd.setText("");
            res.setText("Please accept the"

                + " terms & conditions..");
            }
        }

        else if (e.getSource() == reset) {

            String def = "";

            tname.setText(def);

            tadd.setText(def);

            tprn.setText(def);

            tmobile.setText(def);

            res.setText(def);

            tout.setText(def);

            term.setSelected(false);

            date.setSelectedIndex(0);

            month.setSelectedIndex(0);

            year.setSelectedIndex(0);

            gradyear.setSelectedIndex(0);

            resadd.setText(def);
        }
    }
}


class formfinal {


    public static void main(String[] args) throws Exception
    {

        MyFrame f = new MyFrame();
    }
}
```

Screenshots/Results: