

14.Registration Form::

```
import javax.swing.*;

import java.awt.*;

import java.awt.event.*;

class MyFrame

    extends JFrame

    implements ActionListener {

    // Components of the Form

    private Container c;

    private JLabel title;

    private JLabel name;

    private JTextField tname;

    private JLabel mno;

    private JTextField tmno;

    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 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",

            "May", "Jun", "July", "Aug",

            "Sep", "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" };

// constructor, to initialize the components
// with default values.
public MyFrame()
{
    setTitle("Registration Form");
    setBounds(300, 90, 900, 600);

setDefaultCloseOperation(EXIT_ON_CLOSE);

    setResizable(false);

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

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

        name = new JLabel("Name");

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

        name.setSize(100, 20);

        name.setLocation(100, 100);

        c.add(name);

        tname = new JTextField();

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

        tname.setSize(190, 20);

        tname.setLocation(200, 100);

        c.add(tname);

        mno = new JLabel("Mobile");

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

        mno.setSize(100, 20);

        mno.setLocation(100, 150);

        c.add(mno);

        tmno = new JTextField();

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

        tmno.setSize(150, 20);

        tmno.setLocation(200, 150);

```

```
c.add(tmno);
```

```
gender = new JLabel("Gender");
```

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

```
gender.setSize(100, 20);
```

```
gender.setLocation(100, 200);
```

```
c.add(gender);
```

```
male = new JRadioButton("Male");
```

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

```
male.setSelected(true);
```

```
male.setSize(75, 20);
```

```
male.setLocation(200, 200);
```

```
c.add(male);
```

```
female = new JRadioButton("Female");
```

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

```
female.setSelected(false);
```

```
female.setSize(80, 20);
```

```
female.setLocation(275, 200);
```

```
c.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, 250);
```

```
c.add(dob);
```

```
date = new JComboBox(dates);
```

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

```
date.setSize(50, 20);
```

```
date.setLocation(200, 250);
```

```
c.add(date);
```

```
month = new JComboBox(months);
```

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

```
month.setSize(60, 20);
```

```
month.setLocation(250, 250);
```

```
c.add(month);
```

```
year = new JComboBox(years);
```

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

```
year.setSize(60, 20);
```

```
year.setLocation(320, 250);
c.add(year);

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

add.setSize(100, 20);

add.setLocation(100, 300);
c.add(add);

tadd = new JTextArea();
tadd.setFont(new Font("Arial", Font.PLAIN,
15));

tadd.setSize(200, 75);
tadd.setLocation(200, 300);
tadd.setLineWrap(true);
c.add(tadd);

term = new JCheckBox("Accept Terms And
Conditions.");

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

term.setSize(250, 20);
term.setLocation(150, 400);
c.add(term);

sub = new JButton("Submit");
```

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

sub.setSize(100, 20);

sub.setLocation(150, 450);
sub.addActionListener(this);
c.add(sub);

reset = new JButton("Reset");

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

reset.setSize(100, 20);

reset.setLocation(270, 450);
reset.addActionListener(this);
c.add(reset);

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);
c.add(tout);

res = new JLabel("");

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

```

res.setSize(500, 25);
res.setLocation(100, 500);
c.add(res);

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

setVisible(true);
}

// method actionPerformed()
// to get the action performed
// by the user and act accordingly
public void actionPerformed(ActionEvent e)
{
    if (e.getSource() == sub) {
        if (term.isSelected()) {
            String data1;

            String data
                = "Name : "
                + tname.getText() + "\n"

                + "Mobile : "
                + tmno.getText() + "\n";

            if (male.isSelected())

                data1 = "Gender : Male"

                + "\n";
            else

                data1 = "Gender : Female"

                + "\n";

            String data2
                = "DOB : "

                + (String)date.getSelectedItemAt()

                + "/" +

                (String)month.getSelectedItemAt()

                + "/" +

                (String)year.getSelectedItemAt()

                + "\n";

            String data3 = "Address : " +
tadd.getText();

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

            tout.setEditable(false);

            res.setText("Registration
Successfully..");
        }
        else {
            tout.setText("");

```

```

        resadd.setText("");
        res.setText("Please accept the"
            + " terms & conditions..");
    }
}

```

```

        public static void main(String[] args) throws
        Exception
        {
            MyFrame f = new MyFrame();
        }
    }
}

```

```

else if (e.getSource() == reset) {
    String def = "";
    tname.setText(def);
    tadd.setText(def);
    tmno.setText(def);
    res.setText(def);
    tout.setText(def);
    term.setSelected(false);
    date.setSelectedIndex(0);
    month.setSelectedIndex(0);
    year.setSelectedIndex(0);
    resadd.setText(def);
}
}
}

```

// Driver Code

```

class Registration {

```

Output::

```
C:\Windows\System32\cmd.e  X  +  v

Microsoft Windows [Version 10.0.22631.3447]
(c) Microsoft Corporation. All rights reserved.

C:\SGU>javac Registration.java
Note: Registration.java uses unchecked or unsafe operations.
Note: Recompile with -Xlint:unchecked for details.

C:\SGU>java Registration
```

Registration Form

Name

Lokesh

Mobile

9352883486

Gender

☒ Male ☐ Female

DOB

8

▼

Apr

▼

2004

▼

Address

SGU, Kolhapur

☒ Accept Terms And Conditions.

Submit

Reset

Registration Successfully..

Name : Lokesh

Mobile : 9352883486

Gender : Male

DOB : 8/Apr/2004

Address : SGU, Kolhapur