

Code & Sample I/O

```
import javax.swing.*;
import java.awt.*;
import java.awt.event.*;
import java.io.*;
import java.io.IOException;
import java.io.Serializable;
import java.io.*;
import java.io.FileInputStream;
import java.io.FileNotFoundException;
import java.util.Scanner;

class User1 extends JFrame implements ActionListener, Serializable {

    String userName;
    int phoneNumber;
    String userAddress;
    String userGender;
    String userDateOfBirth;

    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 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" };

    User1() {
        setTitle("Registration Form");
        setBounds(300, 90, 500, 600);
        setDefaultCloseOperation(EXIT_ON_CLOSE);
        setResizable(false);

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

        title = new JLabel("User Registration Form");
        title.setFont(new Font("Arial", Font.PLAIN, 25));
        title.setSize(300, 30);
        title.setLocation(30, 30);
        c.add(title);

        name = new JLabel("Name");
        name.setFont(new Font("Arial", Font.PLAIN, 15));
        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, 15));
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, 15));
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, 15));
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, 15));
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);

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

setVisible(true);
}

public void actionPerformed(ActionEvent e) {
    String name = tname.getText() + "|";
    try{
        boolean flag = false;
        int count = 0;
        Scanner sc1 = new Scanner(new FileInputStream("users.txt"));
        while(sc1.hasNextLine()) {
            String line = sc1.nextLine();
            if(line.indexOf(name)!=-1) {
                flag = true;
                count = count+1;
            }
        }
        if(flag) {
            res.setText("User already existed ");
            Login Login1 = new Login();
            Login1.setVisible(true);
        }
        else {
            if (term.isSelected()) {
                if (e.getSource() == sub) {
                    String phoneNumber = tmno.getText() + "|";
                    String gender;
                    if (male.isSelected())
                        gender = "Male" + "|";
                    else
                        gender = "Female" + "|";
                    String dateOfBirth = (String) date.getSelectedItemAt() + "/" + (String) month.getSelectedItemAt() + "/" + (String) year.getSelectedItemAt() + "|";
                    String data3 = tadd.getText()+"|";

                    try {
                        FileWriter fwrite = new FileWriter("users.txt", true);
                        fwrite.write(name + phoneNumber + gender + dateOfBirth + data3+"\n");
                        fwrite.close();
                        System.out.println("Content is successfully written to the file.");
                    } catch (IOException ioe) {
                        System.out.print("Exception occurred");
                    }
                    res.setText("Registration Successful");
                } else {
                    res.setText("Please accept the" + " terms & conditions..");
                }
            }
        }
        else if(e.getSource()==reset)
        {
            String def = "";

```

```

tname.setText(def);
tadd.setText(def);
tmno.setText(def);
res.setText(def);
term.setSelected(false);
date.setSelectedIndex(0);
month.setSelectedIndex(0);
year.setSelectedIndex(0);
}
}
}
catch(FileNotFoundException fnfe){
    System.out.println("FileNotFoundException");
}
}
public static void main(String[] args) {
    User1 f = new User1();
}
}
}

```

The screenshot shows a web browser window titled "Registration Form". The page contains a "User Registration Form" with the following fields and values:

- Name: Muthu Aiswaryaa
- Mobile: 1234567890
- Gender: ☒ Male ☐ Female
- DOB: 1 Jan 1995
- Address: 1, abc Street, def Colony, Ma durai
- ☒ Accept Terms And Conditions.
- Buttons: Submit, Reset

Below the form, the message "User already existed" is displayed in red text.

The screenshot shows the same "Registration Form" as above, but with the following changes:

- Name: testUser
- Gender: ☐ Male ☒ Female

Below the form, the message "Registration Successful" is displayed in green text.

```
users.txt U X
users.txt
1
2 Muthu Aiswaryaa|12324|Female|1/Jan/1995|43iu hu43i h|
3 Kalpana|12324|Female|1/Jan/1995|43iu hu43i h|
4 Archana|12324|Female|1/Jan/1995|43iu hu43i h|
5 testUser|1234567890|Female|1/Jan/1995|1, abc Street, def Colony, Madurai|
```