Week-12 EXTRA PROGRAMS

1)Handling Buttons Program:

```java
import java.awt.*;

import java.awt.event.*;


public class ButtonDemo extends Frame implements ActionListener{

String msg="";

Button yes,no,maybe;

public ButtonDemo(){

setLayout(new FlowLayout());

yes=new Button("Yes");

no=new Button("No");

maybe=new Button("Undecided");

add(yes);

add(no);

add(maybe);

yes.addActionListener(this);

no.addActionListener(this);

maybe.addActionListener(this);

addWindowListener(new WindowAdapter(){

public void windowClosing(WindowEvent we){

System.exit(0);

}

});
```
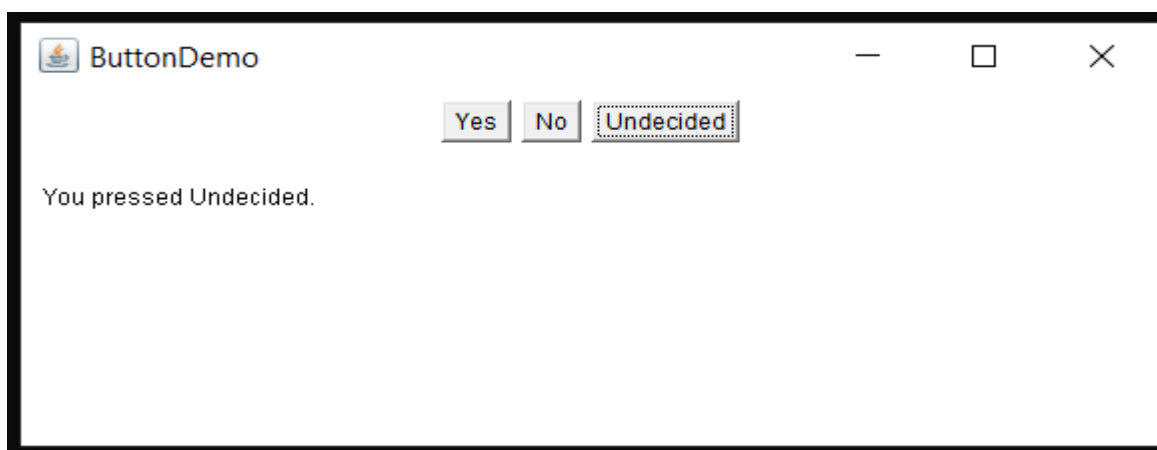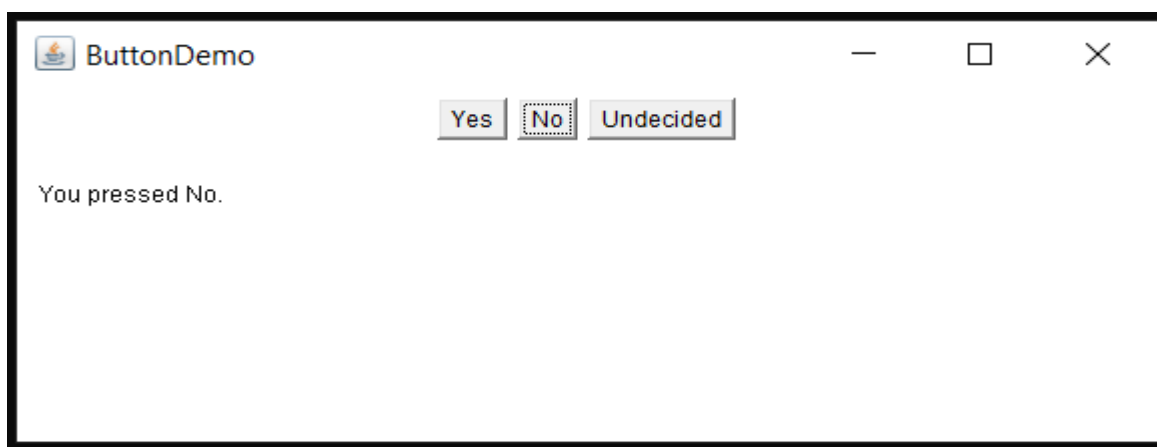
```java
}

public void actionPerformed(ActionEvent ae){

String str=ae.getActionCommand();

if(str.equals("Yes"))

{

msg="You pressed Yes.";

}

else if(str.equals("No"))

{

msg="You pressed No.";

}

else

{

msg="You pressed Undecided.";

}

repaint();

}

public void paint (Graphics g){

g.drawString(msg,20,100);

}

public static void main(String[] args){

ButtonDemo appwin=new ButtonDemo();

appwin.setSize(new Dimension(250,150));

appwin.setTitle("ButtonDemo");

appwin.setVisible(true);
```

```
        }
}
```

Output:

ButtonDemo — ☐ ✕

Yes | No | Undecided

You pressed Yes.

ButtonDemo — ☐ ✕

Yes | No | Undecided

You pressed No.

ButtonDemo — ☐ ✕

Yes | No | Undecided

You pressed Undecided.

2)Program to demonstrate Text Field:

```
import java.awt.*;

import java.awt.event.*;


public class TextFieldDemo extends Frame implements ActionListener {
        TextField name,pass;
        public TextFieldDemo () {
                setLayout(new FlowLayout());
                Label namep=new Label("Name: ",Label.RIGHT);
                Label passp=new Label("Password: ",Label.RIGHT);
                name=new TextField(12);
                pass=new TextField(8);
                pass.setEchoChar('?');

                add(namep);
                add(name);
                add(passp);
                add(pass);

                name.addActionListener(this);
                pass.addActionListener(this);

                addWindowListener(new WindowAdapter() {
                        public void windowClosing (WindowEvent we) {
                                System.exit(0);
```

```java
                }
        });
    }
    public void actionPerformed(ActionEvent ae) {
        repaint();
    }
    public void paint(Graphics g) {
        g.drawString("Name: "+name.getText(), 20, 100);
        g.drawString("Selected text in name: "+name.getSelectedText(), 20, 120);
        g.drawString("Password: "+pass.getText(), 20, 140);
    }
    public static void main(String[] args) {
        TextFieldDemo appwin=new TextFieldDemo();
        appwin.setSize(new Dimension(380,180));
        appwin.setTitle("TextFieldDemo");
        appwin.setVisible(true);
    }
}
```

OUTPUT:

```
C:\Users\win10\Documents\Java lab programs>javac TextFieldDemo.java

C:\Users\win10\Documents\Java lab programs>java TextFieldDemo
```