

PROGRAM-1Buttons

```
import java.awt.*;
```

```
import java.awt.event.*;
```

```
public class ButtonList extends Frame implements ActionListener {
```

```
    String msg = " ";
```

```
    Button bList [] = new Button [3];
```

```
    public ButtonList () {
```

```
        setLayout (new FlowLayout ());
```

```
        Button yes = new Button ("Yes");
```

```
        Button no = new Button ("No");
```

```
        Button maybe = new Button ("Undecided ");
```

```
        bList [0] = (Button) add (yes);
```

```
        bList [1] = (Button) add (no);
```

```
        bList [2] = (Button) add (maybe);
```

```
        for (int i=0; i<3; i++) {
```

```
            bList [i].addActionListener (this);
```

```
        }
```

```
        addWindowListener (new WindowAdapter () {
```

```
            public void windowClosing (WindowEvent we) {
```

```
                System.exit (0);
```

```
            }
```

```
        });
```

```
    }
```

```
public void actionPerformed (ActionEvent ae) {  
    for (int i = 0; i < 3; i++)
```

```
        if (ae.getSource () == bList [i]) {
```

```
            msg = "You pressed " + bList [i].getLabel ();
```

```
        }
```

```
    }
```

```
    repaint ();
```

```
}
```

```
public void paint (Graphics g) {
```

```
    g.drawString (msg, 20, 100);
```

```
}
```

```
public static void main (String args []) {
```

```
    ButtonList appwin = new ButtonList ();
```

```
    appwin.set Size (new Dimension (250, 150));
```

```
    appwin.set Title ("Button List");
```

```
    appwin.set Visible (true);
```

```
}
```

```
}
```

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## PROGRAM-2

### TextFields

```
import java.awt.*;
```

```
import java.awt.event.*;
```

```
public class TextFieldDemo extends Frame implements ActionListener {
```

```
    TextField name, pass;
```

```
    public TextFieldDemo () {
```

```
        Set Layout (new FlowLayout());
```

```
        Label namep = new Label ("Name : ", Label.RIGHT);
```

```
        Label passp = new Label ("Password : ", Label.RIGHT);
```

```
        name = new TextField (10);
```

```
        pass = new TextField (8);
```

```
        pass.setEchoChar ('*');
```

```
        add (namep);
```

```
        add (name);
```

```
        add (passp);
```

```
        add (pass);
```

```
        name.addActionListener (this);
```

```
        pass.addActionListener (this);
```

```
        add WindowListener (new WindowAdapter) {
```

```
            public void windowClosing (WindowEvent we) {
```

```
                System.exit(0);
```

```
            }
```

```
        };
```

```
    }
```

```
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, 180);  
  
    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("TextField Demo");  
    appwin.setResizable(true);  
}
```

```
}
```

```
}
```