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Batch: L-5

Problem Statement: Write a program in Java to study concept of Button, TextField and Label classes using AWT.

Code:

```
package ajp_codes;

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

class Myframe12 extends Frame
{
    Panel mainPanel;
    Label lbltitle;
    Label lbluser;
    Label lblpass;
    Button btnclick;
    TextField txtname;
    TextField txtname1;
    public Myframe12()
    {
        setSize(700,500);
        setTitle("My frame");
        setLayout(null);
        setLocationRelativeTo(null);
        setBackground(Color.black);
        addComponent();
        setVisible(true);

        this.addWindowListener(new WindowAdapter(){
            public void windowClosing(WindowEvent e)
            {
                dispose();
            }
        });
    }
    private void addComponent()
    {
        mainPanel=new Panel();
        mainPanel.setLayout(null);
        mainPanel.setBackground(Color.white);
        mainPanel.setBounds(0,0,this.getWidth(),this.getHeight());
    }
}
```



```
lbltitle=new Label("Login Page");
lbltitle.setBounds(20,50,660,70);
lbltitle.setFont(new Font("verdena",Font.BOLD,50));
lbltitle.setForeground(Color.yellow);
lbltitle.setBackground(Color.black);
lbltitle.setAlignment(Label.CENTER);
mainPanel.add(lbltitle);
```

```
lbluser=new Label("Username");
lbluser.setBounds(50,150,200,70);
lbluser.setFont(new Font("verdena",Font.BOLD,30));
lbluser.setForeground(Color.yellow);
lbluser.setBackground(Color.black);
lbluser.setAlignment(Label.CENTER);
mainPanel.add(lbluser);
```

```
lblpass=new Label("Password");
lblpass.setBounds(50,250,200,70);
lblpass.setFont(new Font("verdena",Font.BOLD,30));
lblpass.setForeground(Color.yellow);
lblpass.setBackground(Color.black);
lblpass.setAlignment(Label.CENTER);
mainPanel.add(lblpass);
```

```
txtname=new TextField();
txtname.setBounds(350,150,200,70);
txtname.setFont(new Font("verdena",Font.BOLD,20));
txtname.setBackground(Color.white);
txtname.setForeground(Color.black);
```

```
mainPanel.add(txtname);
```

```
txtname1=new TextField();
txtname1.setBounds(350,250,200,70);
txtname1.setFont(new Font("verdena",Font.BOLD,20));
txtname1.setBackground(Color.white);
txtname1.setForeground(Color.black);
txtname1.setEchoChar('*');
mainPanel.add(txtname1);
```

```
btnclick=new Button("Login");
btnclick.setBounds(250,370,150,70);
btnclick.setFont(new Font("verdena",Font.BOLD,40));
btnclick.setBackground(Color.black);
btnclick.setForeground(Color.yellow);
btnclick.setCursor(new Cursor(Cursor.HAND_CURSOR));
mainPanel.add(btnclick);
```



```
        add(mainPanel);
    }
}
class code5
{
    public static void main(String args[])
    {
        Myframe12 obj=new Myframe12();
    }
}
```

Output:

```
33 private void addComponent()
34 {
35     mainPanel=new Panel();
36     mainPanel.setLayout(null);
37     mainPanel.setBackground(Color.white);
38     mainPanel.setBounds(0,0,this.getWidth(),this.getHeight());
39
40
41     lbltitle=new Label("Login Page");
42     lbltitle.setBounds(20,50,660,70);
43     lbltitle.setFont(new Font("verdana",Font.BOLD,50));
44     lbltitle.setForeground(Color.yellow);
45     lbltitle.setBackground(Color.black);
46     lbltitle.setAlignment(Label.CENTER);
47     mainPanel.add(lbltitle);
48
49
50     lbluser=new Label("Username");
51     lbluser.setBounds(50,150,200,70);
52     lbluser.setFont(new Font("verdana",Font.BOLD,30));
53     lbluser.setForeground(Color.yellow);
54     lbluser.setBackground(Color.black);
55     lbluser.setAlignment(Label.CENTER);
56     mainPanel.add(lbluser);
57
58     lblpass=new Label("Password");
59     lblpass.setBounds(50,250,200,70);
60     lblpass.setFont(new Font("verdana",Font.BOLD,30));
61     lblpass.setForeground(Color.yellow);
62     lblpass.setBackground(Color.black);
63     lblpass.setAlignment(Label.CENTER);
64     mainPanel.add(lblpass);
65
66
67     txtname=new TextField();
68     txtname.setBounds(350,150,200,70);
69     txtname.setFont(new Font("verdana",Font.BOLD,20));
70     txtname.setBackground(Color.white);
71 }
```

My frame

Login Page

Username

nkkn_0506

Password

Login