ButtonDemo

```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);
addwindow listener (new windowAdapter () {
    public void windowClosing (windowEvent we) {
        system.exit (0);
    }
});
}
public void actionPerformed (actionEvent ae) {
    String str = ae.getAction Command();
    if (str.equals ("Yes"))
        msg = "You pressed Yes.";
    else if (str.equals ("No"))
        msg = "You pressed No.";
    else
        msg = "You pressed undecided";
    repaint ();
}
```
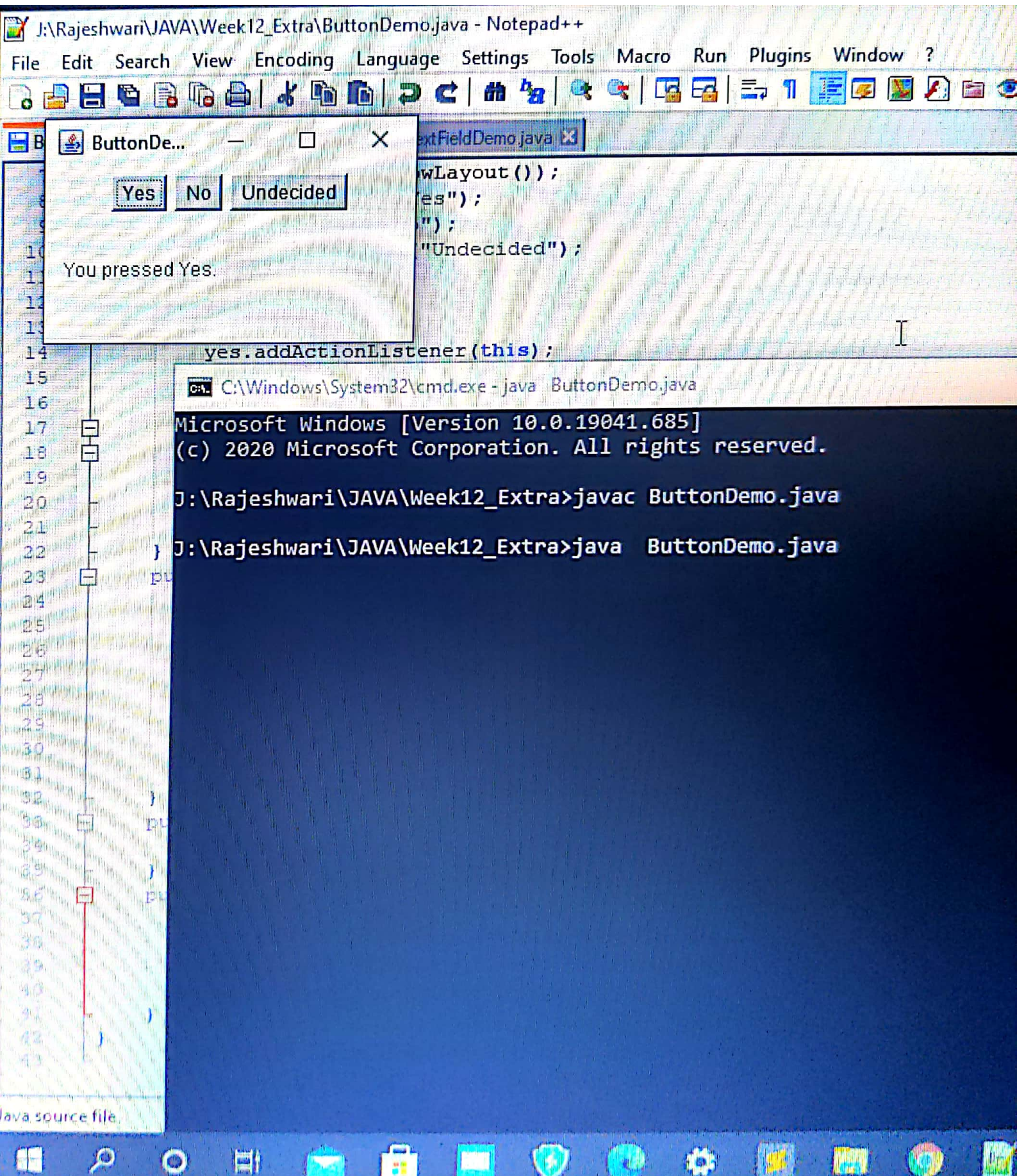
```java
public void paint (Graphics g){
    g. drawString (msg, 20, 100);
}
public static void main (String args []){
    Button Demo appwin = new Button Demo ();
    appwin. setSize ( new dimension ( 250, 150));
    appwin. setTitle (" Button Demo");
    appwin.set Visible (true);
}
}
```
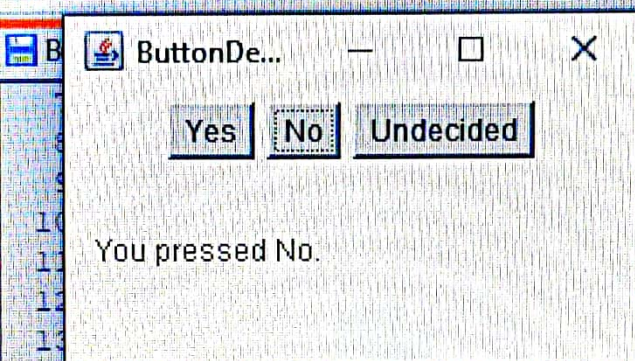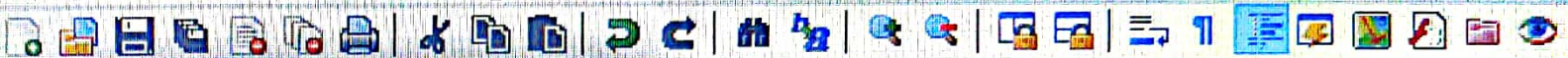
File   Edit   Search   View   Encoding   Language   Settings   Tools   Macro   Run   Plugins   Window   ?

ButtonDe...   —   □   ×   extFieldDemo.java

Yes   No   Undecided

wLayout());
es");
");
"Undecided");

You pressed Yes.

```
yes.addActionListener(this);
```

C:\Windows\System32\cmd.exe - java ButtonDemo.java

```
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J:\Rajeshwari\JAVA\Week12_Extra>javac ButtonDemo.java

J:\Rajeshwari\JAVA\Week12_Extra>java  ButtonDemo.java
```

Java source file.

File   Edit   Search   View   Encoding   Language   Settings   Tools   Macro   Run   Plugins   Window   ?

ButtonDe...   —   ☐   X   extFieldDemo.java ☒

Yes   No   Undecided

You pressed No.

```
wLayout());
es");
");
"Undecided");

yes.addActionListener(this);
```

C:\Windows\System32\cmd.exe - java ButtonDemo.java

```
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J:\Rajeshwari\JAVA\Week12_Extra>javac ButtonDemo.java

J:\Rajeshwari\JAVA\Week12_Extra>java  ButtonDemo.java
```

Java source file

J:\Rajeshwari\JAVA\Week12_Extra\ButtonDemo.java - Notepad++

File   Edit   Search   View   Encoding   Language   Settings   Tools   Macro   Run   Plugins   Window   ?
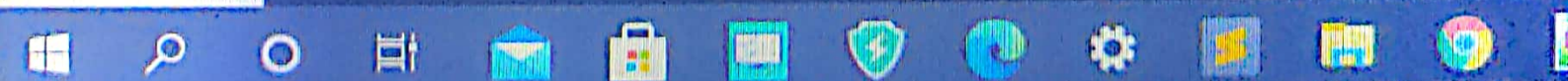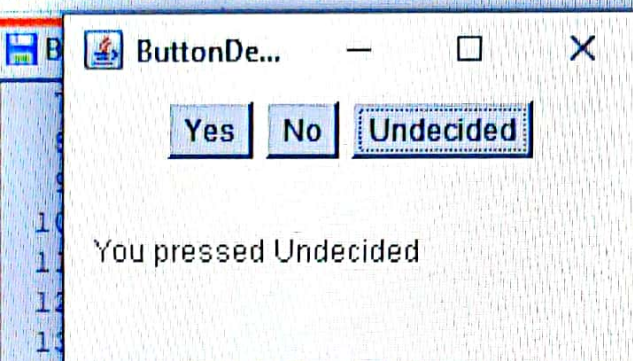
ButtonDe... — □ ✕   xtFieldDemo.java

```
                        wLayout());
     Yes   No   Undecided      es");
                        ");
                        "Undecided");
   You pressed Undecided

            yes.addActionListener(this);
```

C:\Windows\System32\cmd.exe - java ButtonDemo.java

```
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J:\Rajeshwari\JAVA\Week12_Extra>javac ButtonDemo.java

J:\Rajeshwari\JAVA\Week12_Extra>java  ButtonDemo.java
```

Java source file

TextField Demo

```java
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 ae) {
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, 120);
g.drawString ("Password: "+ pass.getText (), 20, 140);
}
```

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

TextFieldDemo appwin = new TextFieldDemo();
appwin.setSize (new Dimension(380, 180));
appwin.setTitle (" Text FieldDemo ");
appwin.setVisible (true);
}
}
```
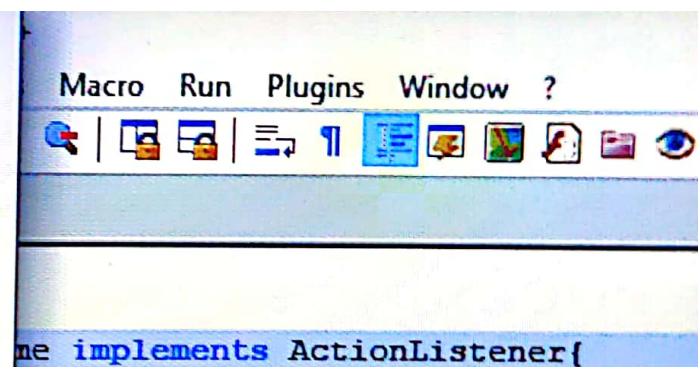
TextFieldDemo — □ ✕

Name: xyz   Password: ***

Name: xyz

Selected text in name:

Password:123

Macro Run Plugins Window ?

...me implements ActionListener{

```
6         setLayout(new FlowLayout());
7         Label namep=new Label("Name: ",Label.RIGHT);
8         Label passp=new Label("Password: ",Label.RIGHT);
9         name =new TextField(12);
10        pa
11        pa
12        ad
13        ad
14        ad
15        ad
16        na
17        pa
18        ad
19
20
21
22        })
23    }
24    public
25        re
26    }
27    public
28        g.
29        g.
30        g.
31    }
32    public
33        Te
34        ap
35        ap
36        ap
37    }
38  }
```

Java source file

TextFieldDemo — □ ✕

Name: `abc`   Password: `***`

Name: abc
Selected text in name:abc
Password:456

Macro Run Plugins Window ?

me `implements ActionListener{`

```
 6            setLayout(new FlowLayout());
 7            Label namep=new Label("Name: ",Label.RIGHT);
 8            Label passp=new Label("Password: ",Label.RIGHT);
 9            name =new TextField(12);
10            pa
11            pa
12            ad
13            ad
14            ad
15            ad
16            na
17            pa
18            ad
19
20
21
22            })
23        }
24    public
25        re
26    }
27    public
28        g.
29        g.
30        g.
31    }
32    public
33        Te
34        ap
35        ap
36        ap
37    }
   }
```

Java source file

C:\Windows\System32\cmd.exe - java TextFieldDemo

```
Microsoft Windows [Version 10.0.19041.685]
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J:\Rajeshwari\JAVA\Week12_Extra>javac TextFieldDemo.java

J:\Rajeshwari\JAVA\Week12_Extra>java  TextFieldDemo
```