

Input Components – JTextField



Text Fields allow the Developer to prompt the User for values, these can be as simple as a name, a password or formatted to a particular character set or value type. The most simplest of text fields is the JTextField which is effectively a String.

A JTextField can be enterable or display only which makes it ideal to be used as an input box or the accompanying label to it ...

JTextFields can only display one horizontal line, therefore if wrapping text is required, use a JTextArea.

The Developer will need to import the following ...

```
import javax.swing.JTextField; // or javax.swing.*;
```

Input Components – JTextField Example



JTextFields accept two parameters, which can be used individually or together,, one representing a default value, the other the desired display width in pixels, in this first example neither has been set and the output is unsatisfactory ...

```
import javax.swing.JFrame;  
import javax.swing.JPanel;  
import javax.swing.JTextField;  
  
public class textfield extends JFrame {  
  
    private static final long serialVersionUID = 1L;  
  
    JTextField field1 = new JTextField(); // No size or value  
    JPanel newpanel = new JPanel();
```

Input Components – JTextField Example



```
public textfield(){  
  
    setSize(250, 75);  
    newpanel.add(field1);  
    getContentPane().add(newpanel);  
    setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);  
    setTitle("Textfield");  
    setVisible(true);  
  
    }  
  
public static void main(String[] arguments)  
{  
    JFrame frame = new textfield();  
}  
}
```



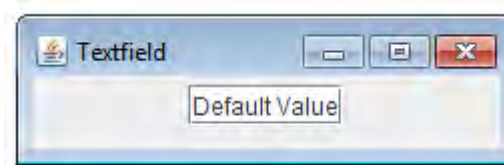
Input Components – JTextField Initialisation



The previous example can be changed in the following ways ...

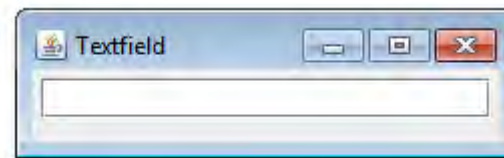
JTextField field1 = new JTextField("Default Value"); //Sets the default value

OR



JTextField field1 = new JTextField(20); // The desired displayed width in pixels

OR



JTextField field1 = new JTextField("Default Value", 20); // Value and size

