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## Java AWT TextField

The object of a TextField class is a text component that allows the editing of a single line text. It inherits TextComponent class.

### AWT TextField Class Declaration

```
public class TextField extends T
```

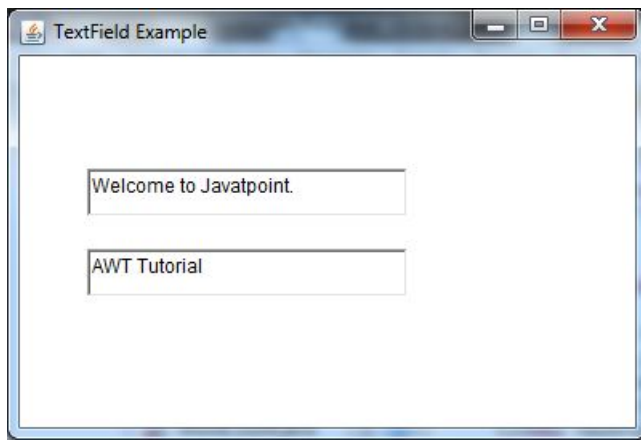
### Java AWT TextField Example

```
import java.awt.*;

class TextFieldExample{
    public static void main(String args[])
    {
        Frame f= new Frame("TextFie
        TextField t1,t2;

        t1=new TextField("Welcome t
        t1.setBounds(50,100, 200,30)
        t2=new TextField("AWT Tutor
        t2.setBounds(50,150, 200,30)
        f.add(t1); f.add(t2);
        f.setSize(400,400);
        f.setLayout(null);
        f.setVisible(true);
    }
}
```

Output:



## Java AWT TextField Example with ActionListener

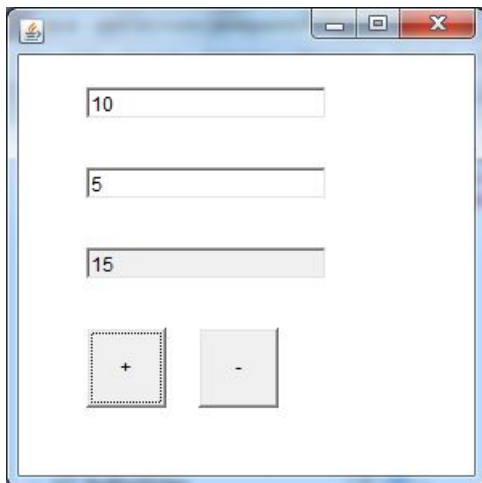
```
import java.awt.*;
import java.awt.event.*;
public class TextFieldExample extends JFrame {
    TextField tf1,tf2,tf3;
    Button b1,b2;
    TextFieldExample(){
        tf1=new TextField();
        tf1.setBounds(50,50,150,20);
        tf2=new TextField();
        tf2.setBounds(50,100,150,20);
        tf3=new TextField();
        tf3.setBounds(50,150,150,20);
        tf3.setEditable(false);
        b1=new Button("+");
        b1.setBounds(50,200,50,50);
        b2=new Button("-");
        b2.setBounds(120,200,50,50);
        b1.addActionListener(this);
        b2.addActionListener(this);
        add(tf1);add(tf2);add(tf3);
        setSize(300,300);
        setLayout(null);
        setVisible(true);
    }
    public void actionPerformed(ActionEvent e){
        String s1=tf1.getText();
        String s2=tf2.getText();
        int a=Integer.parseInt(s1);
        int b=Integer.parseInt(s2);
```

```

int c=0;
if(e.getSource()==b1){
    c=a+b;
}else if(e.getSource()==b2
{
    c=a-b;
}
String result=String.valueOf
tf3.setText(result);
}
public static void main(String[] a
new TextFieldExample();
}
}

```

Output:



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