

1)

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

public class GUI_Test extends KeyAdapter implements ActionListener {
    Frame f;
    Button b;
    TextField t;
    Label l, l1;

    GUI_Test() {
        f = new Frame("My First Frame");
        f.setSize(800, 800);
        b = new Button("Submit");
        b.setBounds(580, 370, 50, 30);
        b.addActionListener(this);
        b.setBackground(Color.CYAN);
        f.setBackground(Color.lightGray);
        t = new TextField();
        t.setBounds(40, 100, 600, 200);
        t.setBackground(Color.YELLOW);
        l = new Label("Enter the sentence");
        l1 = new Label();
        l1.setBounds(300, 40, 300, 40);
        l1.setBackground(Color.GREEN);
        l.setBounds(40, 40, 200, 40);
        l.setBackground(Color.orange);
        f.setVisible(true);
        f.setLayout(null);
        f.add(b);
        f.add(l);
        f.add(l1);
        f.add(t);
        f.addWindowListener(new WindowAdapter() {

            public void windowClosing(WindowEvent e) {

                f.dispose();
            }

        });
    }
}
```

```
}

    public void actionPerformed(ActionEvent e) {

        String text = t.getText();

        String words[] = text.split("\\s");

        l1.setText("Words: " + words.length + " Characters:" +
text.length());

    }

    public void keyReleased(KeyEvent e) {

    }

    public static void main(String args[]) {
        new GUI_Test();
    }

}
```



My First Frame



Enter the sentence

Words: 5 Characters:27

Hello this is Kranthi Kiran

Submit