```java
1 /*
2 Program : Swing TextArea Example 2 with Action Listener
3 to count no of words and no of characters
4 Date    : 04th OCt 2023
5 Author : Shrisoft
6  */
7
8 import javax.swing.*;
9 import java.awt.event.*;
10
11 public class JTextAreaEx2 implements ActionListener
12 {
13   JTextArea t; JButton b; JLabel l1,l2 ;
14
15    JTextAreaEx2()
16    {
17        JFrame f = new JFrame("Swing TextArea Example 1");
18
19        t= new JTextArea();
20        t.setBounds(100,100,200,100);
21        f.add(t);
22
23        b=new JButton("Count");
24        b.setBounds(100,200,100,50);
25        f.add(b);
26        b.addActionListener(this);
27
28        l1=new JLabel();
29        l1.setBounds(100,250,200,50);
30        f.add(l1);
31
32        l2=new JLabel();
33        l2.setBounds(100,300,200,50);
34        f.add(l2);
35
36        f.setLayout(null);
37        f.setSize(400,400);
38        f.setVisible(true);
39    }
40
41    public void actionPerformed(ActionEvent e)
42    {
43        String data = t.getText();
44        String words[] = data.split("\\s");
45
46        l1.setText("Number of Words : "+words.length);
47
48        l2.setText("Number of Characters : "+ data.length());
49    }
50
51
52     public static void main(String args[])
53     {
54        JTextAreaEx2 obj = new JTextAreaEx2();
55     }
56 }
57
```