

```

1  import java.awt.BorderLayout;
13
14
15 public class MyEventC implements ActionListener{
16     JPanel pN, pS;
17     JFrame aFrame ;
18     JLabel label1 ;
19     JTextField TF1 ;
20     JButton b1, b2 ,b3 ,b4 ;
21
22     public MyEventC () {
23         // initializing the components.
24         intializeComp () ;
25
26         // optimizing the objects.
27         optimizeObjects();
28     }
29
30     public void intializeComp () {
31         aFrame = new JFrame ("Part 4 Using Seperate class") ;
32
33         pN = new JPanel() ;
34         pS = new JPanel() ;
35
36         b1 = new JButton("+");
37         b2 = new JButton("-");
38         b3 = new JButton("Reset");
39         b4 = new JButton("Quit");
40
41         label1 = new JLabel("Current Value:") ;
42
43         TF1 = new JTextField(10) ;
44         TF1.setText("0");
45     }
46
47     public void optimizeObjects(){
48         aFrame.setLayout(new GridLayout(2,1));
49
50         //Adding the ActionListener for the buttons
51         b1.addActionListener(this);
52         b2.addActionListener(this);
53         b4.addActionListener(this);
54
55         ResetListener rl = new ResetListener(TF1);
56         b3.addActionListener(rl);
57
58
59
60         //adding the components to the panel then adding the pannel to the frame
61         pN.add(label1);
62         pN.add(TF1);
63
64         pS.add(b1);
65         pS.add(b2);
66         pS.add(b3);
67         pS.add(b4);
68
69         aFrame.add(pN);
70         aFrame.add(pS);

```

MyEventC.java

```
71
72     //aFrame.setSize(300, 150);
73     aFrame.pack(); // this code will pack all the component in the frame and
    resize the frame to fit the componenet
74     aFrame.setVisible(true);
75     aFrame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
76 }
77
78 @Override
79 public void actionPerformed(ActionEvent e) {
80     // TODO Auto-generated method stub
81     if(e.getActionCommand().equals("+")){
82         TF1.setText(Integer.parseInt(TF1.getText())+ 1 + "");
83     }
84     else if(e.getActionCommand().equals("-")){
85         TF1.setText(Integer.parseInt(TF1.getText())- 1 + "");
86     }
87
88     //This method is used on a seperate class as the excercise requires.
89     //else if(e.getActionCommand().equals("Reset")){
90     //    TF1.setText("0");
91     //}
92
93     else if(e.getActionCommand().equals("Quit")){
94         System.exit(0);
95     }
96 }
97
98 public static void main (String args []) {
99     MyEventC window = new MyEventC() ;
100
101 }
102
103
104 }
105
```