

```

1 //+++++
2 //+++++
3
4 //+++++
5 //+++++ Step 2 ++++++
6 import javax.swing.*; // ++
7 import java.awt.*; // ++
8 import java.awt.event.*; // ++
9 //+++++
10 //+++++
11
12 //+++++
13 //+++++ Step 1 ++++++
14 public class H2Swing extends JFrame {
15 //+++++
16 //+++++
17
18 //+++++
19 //+++++ Step 3 ++++++
20 private JLabel lblA; //++
21 private JLabel lblB; //++
22 private JLabel lblSum; //++
23 private JTextField txtA; //++
24 private JTextField txtB; //++
25 private JTextField txtSum; //++
26 private JButton btnSum; //++
27 private JPanel panel; //++
28 //+++++
29 //+++++
30
31
32 H2Swing(){
33
34 //+++++
35 //+++++ Step 4 ++++++
36 lblA = new JLabel("a = "); //++
37 lblB = new JLabel("b = "); //++
38 lblSum = new JLabel("Sum = "); //++
39 txtA = new JTextField(10); //++
40 txtB = new JTextField(10); //++
41 txtSum = new JTextField(10); //++
42 btnSum = new JButton("Add"); //++
43 panel = new JPanel(); //++
44 //+++++
45 //+++++
46
47 //+++++
48 //+++++ Step 5 ++++++
49 panel.add(lblA); //++
50 panel.add(txtA); //++
51 panel.add(lblB); //++
52 panel.add(txtB); //++
53 panel.add(lblSum); //++
54 panel.add(txtSum); //++
55 panel.add(btnSum); //++
56 //+++++
57 //+++++
58
59 //+++++
60 //+++++ Step 6 ++
61 add(panel); //++
62 //+++++
63 //+++++
64
65 //+++++
66 //+++++ Step 7 ++++++
67 handler h = new handler(); //++
68 btnSum.addActionListener(h); //++
69 //+++++
70 //+++++
71
72 }
73
74 //+++++
75 //+++++ Step 13 ++++++
76 private class handler implements ActionListener{
77 //+++++
78 //+++++
79 //+++++ Step 14 ++++++
80 public void actionPerformed(ActionEvent event){ //++
81 double a; //++
82 double b; //++
83 double sum; //++
84 a = Double.parseDouble(txtA.getText()); //++
85 b = Double.parseDouble(txtB.getText()); //++
86 sum = a + b; //++
87 txtSum.setText(Double.toString(sum)); //++
88 } //++
89 //+++++
90 //+++++
91
92 }
93 //+++++
94 //+++++
95
96 //+++++
97 //+++++ Step 15 ++++++
98 public static void main(String args[]){ //++
99 H2Swing m = new H2Swing(); // Step 9 //++
100 m.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE); //Step 10 //++
101 m.setSize(200, 180); // Step 11 //++
102 m.setVisible(true); // Step 12 //++
103 } //++
104 //+++++
105 //+++++
106
107 }
108
109 //+++++
110 //+++++

```