

```

1 //+++++
2 //+++++
3
4 //+++++ Step 2 ++++++
5 //+++++
6 import javax.swing.*; // ++
7 import java.awt.*; // ++
8 import java.awt.event.*; // ++
9 //+++++
10 //+++++
11
12 //+++++ Step 1 ++++++
13 //+++++
14 public class H2Swing extends JFrame {
15 //+++++
16 //+++++
17
18 //+++++ Step 3 ++++++
19 //+++++
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 //+++++ Step 4 ++++++
35 //+++++
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 //+++++ Step 5 ++++++
48 //+++++
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 //+++++ Step 6 ++
60 add(panel); //++
61 //+++++
62 //+++++
63
64 //+++++ Step 7 ++++++
65 //+++++
66 handler h = new handler(); //++
67 btnSum.addActionListener(h); //++
68 //+++++
69 //+++++
70 //+++++
71
72 }
73
74 //+++++ Step 13 ++++++
75 //+++++
76 private class handler implements ActionListener{
77 //+++++
78 //+++++
79 //+++++ Step 14 ++++++
80 //+++++
81 public void actionPerformed(ActionEvent event){ //++
82 double a; //++
83 double b; //++
84 double sum; //++
85 a = Double.parseDouble(txtA.getText()); //++
86 b = Double.parseDouble(txtB.getText()); //++
87 sum = a + b; //++
88 txtSum.setText(Double.toString(sum)); //++
89 } //++
90 //+++++
91 //+++++
92 }
93 //+++++
94 //+++++
95
96 //+++++ Step 15 ++++++
97 //+++++
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 //+++++

```

