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//+++++ Step 2 ++++++
import javax.swing.*; //++
import java.awt.*; //++
import java.awt.event.*; //++
//+++++

//+++++ Step 1 ++++++
public class H2Swing extends JFrame { //++
//+++++

//+++++ Step 3 ++++++
private JLabel lblA; //++
private JLabel lblB; //++
private JLabel lblSum; //++
private JTextField txtA; //++
private JTextField txtB; //++
private JTextField txtSum; //++
private JButton btnSum; //++
private JPanel panel; //++
//+++++

H2Swing(){
//+++++ Step 4 ++++++
lblA = new JLabel("a = "); //++
lblB = new JLabel("b = "); //++
lblSum = new JLabel("Sum = "); //++
txtA = new JTextField(10); //++
txtB = new JTextField(10); //++
txtSum = new JTextField(10); //++
btnSum = new JButton("Add"); //++
panel = new JPanel(); //++
//+++++

//+++++ Step 5 ++++++
panel.add(lblA); //++
panel.add(txtA); //++
panel.add(lblB); //++
panel.add(txtB); //++
panel.add(lblSum); //++
panel.add(txtSum); //++
panel.add(btnSum); //++
//+++++

//+++++ Step 6 ++
add(panel); //++
//+++++

//+++++ Step 7 ++++++
handler h = new handler(); //++
btnSum.addActionListener(h); //++
//+++++

}

//+++++ Step 13 ++++++
private class handler implements ActionListener{ //++

//+++++ Step 14 ++++++
public void actionPerformed(ActionEvent event){ //++
double a; //++
double b; //++
double sum; //++
a = Double.parseDouble(txtA.getText()); //++
b = Double.parseDouble(txtB.getText()); //++
sum = a + b; //++
txtSum.setText(Double.toString(sum)); //++
} //++
//+++++

} //++

//+++++ Step 15 ++++++
public static void main(String args[]){ //++
H2Swing m = new H2Swing(); // Step 9 //++
m.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE); // Step 10 //++
m.setSize(200, 180); // Step 11 //++
m.setVisible(true); // Step 12 //++
} //++
} //++
//+++++

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