import javax.swing.\*;

import java.awt.\*;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

public class AdditionApp {

public static void main(String[] args) {

// Create the frame

JFrame frame = new JFrame("Addition of Two Numbers");

frame.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

frame.setSize(300, 200);

frame.setLayout(new FlowLayout());

// Create components for input and output

JLabel num1Label = new JLabel("Enter first number:");

JTextField num1Field = new JTextField(10);

JLabel num2Label = new JLabel("Enter second number:");

JTextField num2Field = new JTextField(10);

JButton addButton = new JButton("Add");

JLabel resultLabel = new JLabel("Result:");

// ActionListener for the "Add" button

addButton.addActionListener(new ActionListener() {

@Override

public void actionPerformed(ActionEvent e) {

try {

// Get the numbers from the text fields and parse them

double num1 = Double.parseDouble(num1Field.getText());

double num2 = Double.parseDouble(num2Field.getText());

// Perform addition

double sum = num1 + num2;

// Display the result

resultLabel.setText("Result: " + sum);

} catch (NumberFormatException ex) {

// Handle invalid input

resultLabel.setText("Please enter valid numbers");

}

}

});

// Add components to the frame

frame.add(num1Label);

frame.add(num1Field);

frame.add(num2Label);

frame.add(num2Field);

frame.add(addButton);

frame.add(resultLabel);

// Make the frame visible

frame.setVisible(true);

}

}