Java Lab Program 9

import javax.swing.\*;

import java.awt.\*;

import java.awt.event.\*;

class SwingDemo {

SwingDemo() {

JFrame jfrm = new JFrame("Divider App");

jfrm.setSize(275, 150);

jfrm.setLayout(new FlowLayout());

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

JLabel jlab = new JLabel("Enter the divisor and dividend:");

JTextField ajtf = new JTextField(8);

JTextField bjtf = new JTextField(8);

JButton button = new JButton("Calculate");

JLabel err = new JLabel();

JLabel alab = new JLabel();

JLabel blab = new JLabel();

JLabel anslab = new JLabel();

jfrm.add(err);

jfrm.add(jlab);

jfrm.add(ajtf);

jfrm.add(bjtf);

jfrm.add(button);

jfrm.add(alab);

jfrm.add(blab);

jfrm.add(anslab);

ActionListener l = new ActionListener() {

public void actionPerformed(ActionEvent evt) {

System.out.println("Action event from a text field");

}

};

ajtf.addActionListener(l);

bjtf.addActionListener(l);

button.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent evt) {

try {

int a = Integer.parseInt(ajtf.getText());

int b = Integer.parseInt(bjtf.getText());

int ans = a / b;

alab.setText("A = " + a);

blab.setText("B = " + b);

anslab.setText("Ans = " + ans);

err.setText("");

} catch (NumberFormatException e) {

alab.setText("");

blab.setText("");

anslab.setText("");

err.setText("Enter Only Integers!");

} catch (ArithmeticException e) {

alab.setText("");

blab.setText("");

anslab.setText("");

err.setText("B should be NON zero!");

}

}

});

jfrm.setVisible(true);

}

public static void main(String[] args) {

System.out.println("Aparna Sankar 1BM23CS047");

SwingUtilities.invokeLater(new Runnable() {

public void run() {

new SwingDemo();

}

});

}

}

