CALCULATER:

package calculator;

import javax.swing.\*;

import java.awt.Color;

import java.awt.event.\*;

public class CalcPanel extends JPanel implements ActionListener {

String num1="";

String num2="";

String operator="";

boolean usingFirst=true;

double total=0;

JTextField display;

JButton b1;

JButton b2;

JButton b3;

JButton b4;

JButton b5;

JButton b6;

JButton b7;

JButton b8;

JButton b9;

JButton b0;

JButton bdec;

JButton bclear;

JButton bequals;

JButton bplus;

public CalcPanel()

{

this.setBackground(Color.white);

setLayout(null);

display=new JTextField();

b1=new JButton("1");

b2=new JButton("2");

b3=new JButton("3");

b4=new JButton("4");

b5=new JButton("5");

b6=new JButton("6");

b7=new JButton("7");

b8=new JButton("8");

b9=new JButton("9");

b0=new JButton("0");

bdec=new JButton(".");

bclear=new JButton("C");

bequals = new JButton( "=");

bplus=new JButton("+");

display.setBounds(0,0,205,50);

b1.setBounds(0,200,50,50);

b2.setBounds(50,200,50,50);

b3.setBounds(100,200,50,50);

bplus.setBounds(154,200,50,50);

b4.setBounds(0,150,50,50);

b5.setBounds(50,150,50,50);

b6.setBounds(100,150,50,50);

b7.setBounds(0,100,50,50);

b8.setBounds(50,100,50,50);

b9.setBounds(100,100,50,50);

b0.setBounds(0,250,50,50);

bdec.setBounds(50,250,50,50);

bclear.setBounds(100,250,50,50);

bequals.setBounds(154,250,50,50);

add(b1);

add(b2);

add(b3);

add(b4);

add(b5);

add(b6);

add(b7);

add(b8);

add(b9);

add(b0);

add(bdec);

add(display);

add(bclear);

add(bequals);

add(bplus);

b1.addActionListener(this);

b2.addActionListener(this);

b3.addActionListener(this);

b4.addActionListener(this);

b5.addActionListener(this);

b6.addActionListener(this);

b7.addActionListener(this);

b8.addActionListener(this);

b9.addActionListener(this);

b0.addActionListener(this);

bequals.addActionListener(this);

bplus.addActionListener(this);

bclear.addActionListener(this);

bdec.addActionListener(this);

}

public void actionPerformed(ActionEvent e){

String s=e.getActionCommand();

if(s.equals("1")||s.equals("2")||s.equals("3")||s.equals("4")||

s.equals("5")||s.equals("6")||s.equals("7")||s.equals("8")||

s.equals("9")||s.equals("0")||s.equals("."))

{

if(usingFirst)

{

num1=num1+s;

display.setText(num1);

}

else

{

num2=num2+s;

display.setText(num2);

}

}

if(s.equals("+"))

{

usingFirst=false;

operator="+";

}

if(s.equals("="))

{

switch(operator){

case "+":

total=Double.parseDouble(num1)+Double.parseDouble(num2);

display.setText( ""+total );

break;

}

usingFirst=true;

num1="";

num2="";

operator="";

}

if(s.equals("C"))

{

display.setText( "" );

usingFirst=true;

num1="";

num2="";

total=0;

}

}

}

