/\*

GOPIKRISHNA V

52

S3 CSE A

Simple Calculator

\*/

import java.awt.\*;

import java.awt.event.\*;

import javax.swing.\*;

class orgcalc implements ActionListener

{

JFrame f=new JFrame();

JTextField text=new JTextField();

JButton b1=new JButton("1");

JButton b2=new JButton("2");

JButton b3=new JButton("3");

JButton b4=new JButton("4");

JButton b5=new JButton("5");

JButton b6=new JButton("6");

JButton b7=new JButton("7");

JButton b8=new JButton("8");

JButton b9=new JButton("9");

JButton b0=new JButton("0");

JButton ba=new JButton("+");

JButton bs=new JButton("-");

JButton bp=new JButton("\*");

JButton bd=new JButton("/");

JButton bdo=new JButton(".");

JButton be=new JButton("=");

orgcalc()

{

text.setBounds(2,1,320,80);

b1.setBounds(2,80,80,80);

b2.setBounds(82,80,80,80);

b3.setBounds(162,80,80,80);

b4.setBounds(2,160,80,80);

b5.setBounds(82,160,80,80);

b6.setBounds(162,160,80,80);

b7.setBounds(2,240,80,80);

b8.setBounds(82,240,80,80);

b9.setBounds(162,240,80,80);

b0.setBounds(2,320,80,80);

ba.setBounds(242,80,80,80);

bs.setBounds(242,160,80,80);

bp.setBounds(242,240,80,80);

bd.setBounds(162,320,80,80);

bdo.setBounds(82,320,80,80);

be.setBounds(242,320,80,80);

f.add(text);

f.add(b1);

f.add(b2);

f.add(b3);

f.add(b4);

f.add(b5);

f.add(b6);

f.add(b7);

f.add(b8);

f.add(b9);

f.add(b0);

f.add(ba);

f.add(bs);

f.add(bp);

f.add(bd);

f.add(bdo);

f.add(be);

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);

ba.addActionListener(this);

bs.addActionListener(this);

bp.addActionListener(this);

bd.addActionListener(this);

bdo.addActionListener(this);

be.addActionListener(this);

f.setLayout(null);

f.setVisible(true);

f.setSize(338,438);

f.setResizable(false);

}

String num="",n="",op="";

float r=0;

void cal(String s)

{

if(s=="+")

{

r=r+Float.parseFloat(n);

}

else if(s=="-")

{

r=r-Float.parseFloat(n);

}

else if(s=="\*")

{

r=r\*Float.parseFloat(n);

}

else if(s=="/")

{

r=r/Float.parseFloat(n);

}

else

{

r=Float.parseFloat(n);

}

}

public void actionPerformed(ActionEvent e)

{

if(e.getSource()==b1)

{

num+="1";

n+="1";

text.setText(num);

}

else if(e.getSource()==b2)

{

num+="2";

n+="2";

text.setText(String.valueOf((num)));

}

else if(e.getSource()==b3)

{

num+="3";

n+="3";

text.setText(String.valueOf((num)));

}

else if(e.getSource()==b4)

{

num+="4";

n+="4";

text.setText(String.valueOf((num)));

}

else if(e.getSource()==b5)

{

num+="5";

n+="5";

text.setText(String.valueOf((num)));

}

else if(e.getSource()==b6)

{

num+="6";

n+="6";

text.setText(String.valueOf((num)));

}

else if(e.getSource()==b7)

{

num+="7";

n+="7";

text.setText(String.valueOf((num)));

}

else if(e.getSource()==b8)

{

num+="8";

n+="8";

text.setText(String.valueOf((num)));

}

else if(e.getSource()==b9)

{

num+="9";

n+="9";

text.setText(String.valueOf((num)));

}

else if(e.getSource()==b0)

{

num+="0";

n+="0";

text.setText(String.valueOf((num)));

}

else if(e.getSource()==bdo)

{

num+=".";

n+=".";

text.setText(num);

}

else if(e.getSource()==ba)

{

num+="+";

cal(op);

n="";

op="+";

text.setText(num);

}

else if(e.getSource()==bs)

{

num+="-";

text.setText(num);

cal(op);

n="";

op="-";

}

else if(e.getSource()==bp)

{

num+="\*";

text.setText(num);

cal(op);

n="";

op="\*";

}

else if(e.getSource()==bd)

{

num+="/";

text.setText(num);

cal(op);

n="";

op="/";

}

else if(e.getSource()==be)

{

cal(op);

num=String.valueOf(r);

text.setText(num);

num="";

n="";

op="";

r=0;

}

}

public static void main(String args[])

{

new orgcalc();

}

}

**OUTPUT**

  