**Arithmetic Operations:**

**import java.awt.\*;**

**import java.applet.\*;**

**import java.awt.event.\*;**

**/\* <applet code="ArithmeticDemo" width=400 height=500>**

**</applet>\*/**

**public class ArithmeticDemo extends Applet implements ActionListener**

**{**

**Label lblno1,lblno2,lblres;**

**TextField txtno1,txtno2,txtadd,txtsub,txtmul,txtdiv;**

**Button btnadd,btnsub,btnmul,btndiv,btnreset;**

**String msg1,strsum,strsub,strmul,strdiv;**

**String str;**

**Integer i1,i2;**

**int sum,sub,mul;**

**float div;**

**public void init()**

**{**

**lblno1 = new Label("1st Number: ");**

**lblno2 = new Label("2nd Number: ");**

**lblres = new Label("Result: ");**

**txtno1 =new TextField(10);**

**txtno2 =new TextField(10);**

**txtadd =new TextField(10);**

**txtsub =new TextField(10);**

**txtmul =new TextField(10);**

**txtdiv =new TextField(10);**

**btnadd= new Button("Addition");**

**btnsub= new Button("Substraction");**

**btnmul= new Button("Multiplication");**

**btndiv= new Button("Division");**

**btnreset= new Button("Reset");**

**add(lblno1);**

**add(txtno1);**

**add(lblno2);**

**add(txtno2);**

**add(btnreset);**

**add(btnadd);**

**add(txtadd);**

**add(btnsub);**

**add(txtsub);**

**add(btnmul);**

**add(txtmul);**

**add(btndiv);**

**add(txtdiv);**

**btnadd.addActionListener(this);**

**btnsub.addActionListener(this);**

**btnmul.addActionListener(this);**

**btndiv.addActionListener(this);**

**btnreset.addActionListener(this);**

**}**

**public void actionPerformed(ActionEvent ae)**

**{**

**str = ae.getActionCommand();**

**i1 = new Integer(txtno1.getText());**

**i2 = new Integer(txtno2.getText());**

**if(str=="Addition")**

**{**

**sum= i1+i2;**

**strsum = Integer.toString(sum);**

**txtadd.setText(strsum);**

**}**

**if(str=="Substraction")**

**{**

**sub=i1-i2;**

**strsub = Integer.toString(sub);**

**txtsub.setText(strsub);**

**}**

**if(str=="Multiplication")**

**{**

**mul=i1\*i2;**

**strmul = Integer.toString(mul);**

**txtmul.setText(strmul);**

**}**

**if(str=="Division")**

**{**

**div=i1/i2;**

**strdiv = Float.toString(div);**

**txtdiv.setText(strdiv);**

**}**

**if(str=="Reset"){**

**txtno1.setText("");**

**txtno2.setText("");**

**txtadd.setText("");**

**txtsub.setText("");**

**txtmul.setText("");**

**txtdiv.setText("");**

**}**

**repaint();**

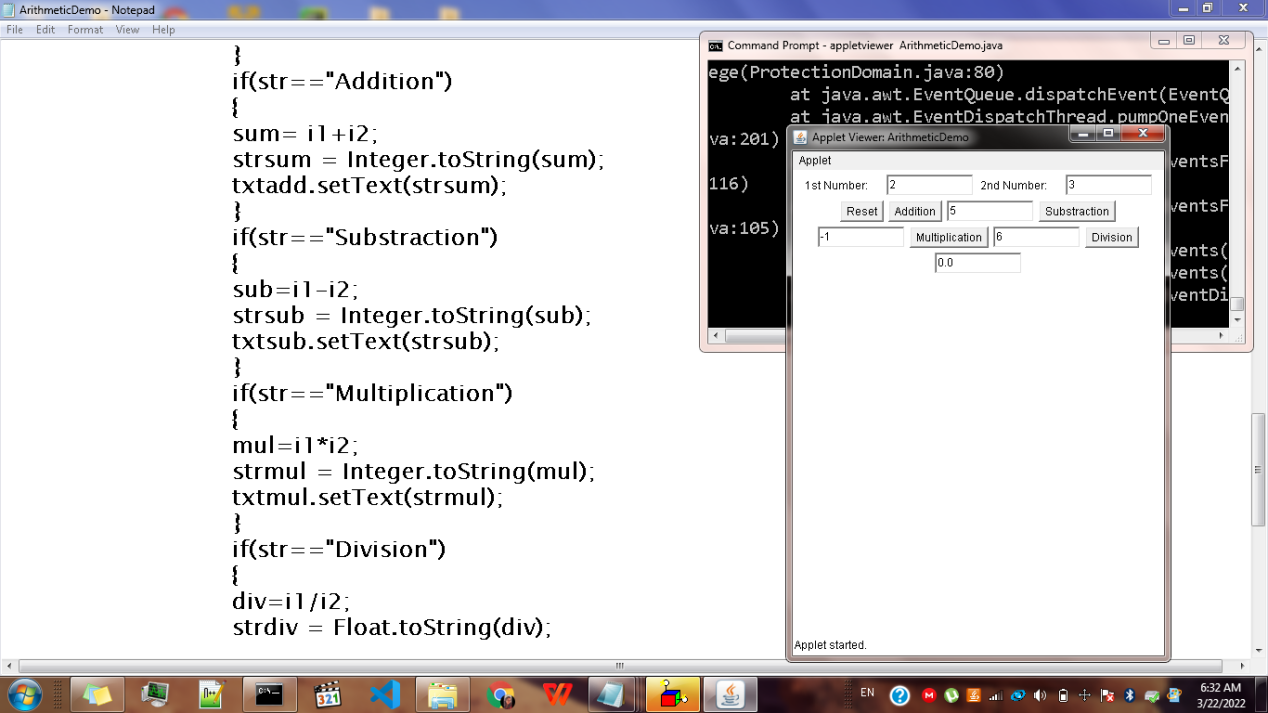
**}**

**public void paint(Graphics g)**

**{**

**}**

**}**

****

