

```
import java.awt.*;
import java.awt.event.*;
```

```
public class divnum extends Frame implements ActionListener
{
    String msg=" ",res=" ";
    Button division;
    TextField num1p,num2p,resul;

    public divnum()
    {
        setLayout(new FlowLayout());
        division=new Button("divide");
        Label num1=new Label("NUM 1: ",Label.RIGHT);
        Label num2=new Label("NUM 2: ",Label.RIGHT);
        Label result=new Label("Result : ",Label.RIGHT);
        num1p=new TextField(12);
        num2p=new TextField(12);
        resul=new TextField(12);

        add(num1);
        add(num1p);
        add(num2);
        add(num2p);
        add(division);
        add(result);
        add(resul);
        num1p.addActionListener(this);
        num2p.addActionListener(this);

        division.addActionListener(this);

        resul.addActionListener(this);

        addWindowListener(new WindowAdapter(){
```

```
        addWindowListener(new WindowAdapter(){
            public void windowClosing(WindowEvent we){
                System.exit(0);
            }
        });
    }
}
```

```
public void actionPerformed(ActionEvent ae){
    String str=ae.getActionCommand();

    if(str.equals("divide"))
    {
        dividenum();
    }
}
```

```
void dividenum()
{
    int n1,n2,n=0;
    try
    {
        n1=Integer.parseInt(num1p.getText());
        n2=Integer.parseInt(num2p.getText());
        n=n1/n2;

        resul.setText(String.valueOf(n));
    }
    catch(NumberFormatException ne ){

        msg="NUMBERFORMAT EXCEPTION";
        dia d=new dia(this,"EXCEPTION");
        d.setVisible(true);
    }
}
```

```
        dia d=new dia(this,"EXCEPTION");
        d.setVisible(true);

    }
    catch(ArithmeticException a){
        msg="ARITHMETIC EXCEPTION";
        dia d=new dia(this,"EXCEPTION");
        d.setVisible(true);

    }

}

public static void main(String args[]){
    divnum appwin=new divnum();

    appwin.setSize(new Dimension(250,150));
    appwin.setTitle("Division");
    appwin.setVisible(true);

}
}

class dia extends Dialog implements ActionListener {
    divnum bld;
    dia(Frame parent, String title) {

    super(parent, title, false);
    bld=(divnum)parent;
    setLayout(new FlowLayout());
    setSize(300, 200);
```

}

```
public static void main(String args[]){  
    divnum appwin=new divnum();
```

```
    appwin.setSize(new Dimension(250,150));  
    appwin.setTitle("Division");  
    appwin.setVisible(true);
```

}

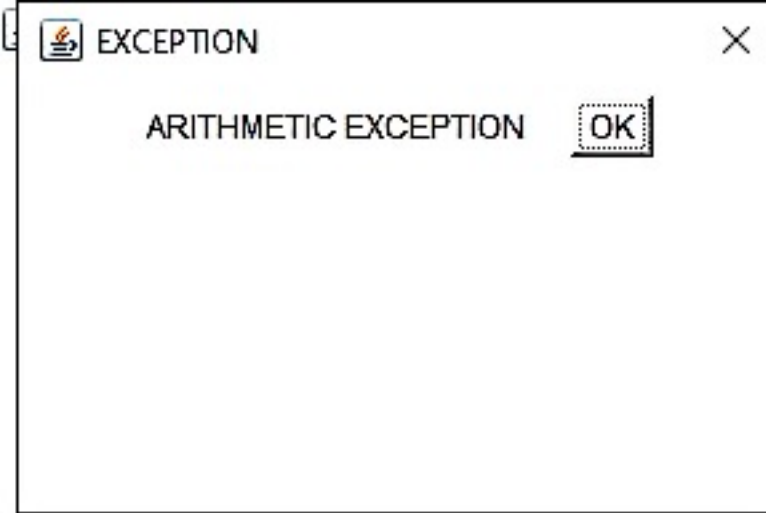
}

```
class dia extends Dialog implements ActionListener {  
    divnum bld;  
    dia(Frame parent, String title) {
```

```
        super(parent, title, false);  
        bld=(divnum)parent;  
        setLayout(new FlowLayout());  
        setSize(300, 200);  
        add(new Label(bld.msg));  
        Button b;  
        add(b = new Button("OK"));  
        b.addActionListener(this);  
    }
```

```
    public void actionPerformed(ActionEvent ae) {  
        dispose();  
    }
```

}



NUM 1: NUM 2: Result:

NUM 1: NUM 2: Result: