

```

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

class DivisionDialog extends Dialog implements ActionListener
{
    DivisionNewMain divnew;
    DivisionDialog(Frame parent, String title)
    {
        super(parent, title, true);
        divnew = (DivisionNewMain) parent;
        setLayout(new FlowLayout());
        setSize(600, 200);
        if (divnew.flag == 0)
        {
            add(new Label("Result: " + divnew.out));
        }
        else
        {
            add(new Label(divnew.out));
        }
        divnew.flag = 0;
        Button b;
        add(b = new Button("OK"));
        b.addActionListener(this);
    }

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

public class DivisionNewMain extends Frame implements
ActionListener
{
    TextField num1, num2;
    Button dResult;
    String out = "";
    int flag = 0;
}

```

## DivisionNewMain()

```
{  
    setLayout(new FlowLayout());  
    dResult = new Button("RESULT");  
    Label numberx1 = new Label("Number1:", Label.RIGHT);  
    Label numberx2 = new Label("Number2:", Label.RIGHT);  
    num1 = new TextField("5");  
    num2 = new TextField("5");  
    add(dResult);  
    add(num1);  
    add(numberx1);  
    add(num2);  
    add(numberx2);  
    add(dResult);  
    dResult.addActionListener(this);  
    addWindowListener(new WindowAdapter()  
    {  
        public void windowClosing(WindowEvent we)  
        {  
            System.exit(0);  
        }  
    });  
}  
  
public void actionPerformed(ActionEvent ae)  
{  
    int n1,n2;  
    try  
    {  
        if (ae.getSource() == dResult)  
        {  
            n1 = Integer.parseInt(num1.getText());  
            n2 = Integer.parseInt(num2.getText());  
            if (n2 == 0)  
                throw new ArithmeticException();  
            double resultNum = n1 / (double) n2;  
        }  
    }  
}
```

```
out = string.valueOf(resultNum);
DivisionDialog d=new DivisionDialog(this, "Result");
d.setVisible(true);
}

}

catch (NumberFormatException e1)
{
    flag=1;
    out = "Number Format Exception! "+e1;
    new DivisionDialog(this, "Exception").setVisible(true);
}

catch (ArithmaticException e2)
{
    flag=1;
    out = "Divide by 0 Exception! "+e2;
    new DivisionDialog(this, "Exception").setVisible(true);
}

}

public static void main(String[] args)
{
    DivisionNewMain dm=new DivisionNewMain();
    dm.setP3e(new Division(800,400));
    dm.setTitle("Division of Integers");
    dm.setVisible(true);
}
```