

```
import java.awt.*;

import java.awt.event.*;

public class IntDiv extends Frame implements ActionListener

{ TextField Num1, Num2, Result;

  Button Divide;

  String errmsg="";

  public IntDiv()

  { setLayout(new FlowLayout());

    Divide = new Button("Divide");

    Label Num1p = new Label("Num1: ", Label.RIGHT);
    Label Num2p = new Label("Num2: ", Label.RIGHT);
    Label Resultp = new Label("Result: ", Label.RIGHT);
    Num1 = new TextField(10);
    Num2 = new TextField(10);
    Result = new TextField(10);
    add(Num1p);
    add(Num1);
    add(Num2p);
    add(Num2);
    add(Divide);
    add(Resultp);
    add(Result);

    Num1.addActionListener(this);
    Num2.addActionListener(this);
    Divide.addActionListener(this);

    addWindowListener(new WindowAdapter(){

      public void windowClosing(WindowEvent we)

      { System.exit(0); }

    });
  }
}
```

```
public void actionPerformed(ActionEvent ae)
{
    String str = ae.getActionCommand();
    int a=0,b=1,r=0;
    if(str.equals("Divide"))
    {
        try
        {
            a = Integer.parseInt(Num1.getText());
            b = Integer.parseInt(Num2.getText());
        }
        catch(NumberFormatException e)
        {
            errormsg= "Caught: "+e;
        }
        try
        {
            r=a/b;
        }
        catch(ArithmeticException e)
        {
            errormsg= "Caught: "+e+" Num2= "+ b;
        }
        Result.setText(" "+r);
    }
}
```

```
repaint();
}
```

```
public void paint(Graphics g)
{
    g.drawString(errormsg, 20,100);
}
```

```
public static void main(String args[])
{
    IntDiv appwin = new IntDiv();
    appwin.setSize(new Dimension(700,700));
    appwin.setTitle("Integer Division");
    appwin.setVisible(true);
}
```

}

Command Prompt - java IntDiv

```
symbol: class string
location: class IntDiv
1 error

D:\Java\jdk1.8.0_261\bin\prog>javac IntDiv.java
D:\Java\jdk1.8.0_261\bin\prog>java IntDiv
D:\Java\jdk1.8.0_261\bin\prog>javac IntDiv.java
D:\Java\jdk1.8.0_261\bin\prog>java IntDiv
D:\Java\jdk1.8.0_261\bin\prog>javac IntDiv.java
D:\Java\jdk1.8.0_261\bin\prog>java IntDiv
D:\Java\jdk1.8.0_261\bin\prog>javac IntDiv.java
D:\Java\jdk1.8.0_261\bin\prog>java IntDiv
D:\Java\jdk1.8.0_261\bin\prog>javac IntDiv.java
D:\Java\jdk1.8.0_261\bin\prog>java IntDiv
```

Integer Division

Num1:	<input type="text" value="100"/>	Num2:	<input type="text" value="4"/>	<input type="button" value="Divide"/>	Result:	<input type="text" value="25"/>
-------	----------------------------------	-------	--------------------------------	---------------------------------------	---------	---------------------------------

Command Prompt - java IntDiv

```
symbol: class string
location: class IntDiv
1 error

D:\Java\jdk1.8.0_261\bin\prog>javac IntDiv.java
D:\Java\jdk1.8.0_261\bin\prog>java IntDiv
D:\Java\jdk1.8.0_261\bin\prog>javac IntDiv.java
D:\Java\jdk1.8.0_261\bin\prog>java IntDiv
D:\Java\jdk1.8.0_261\bin\prog>javac IntDiv.java
D:\Java\jdk1.8.0_261\bin\prog>java IntDiv
D:\Java\jdk1.8.0_261\bin\prog>javac IntDiv.java
D:\Java\jdk1.8.0_261\bin\prog>java IntDiv
D:\Java\jdk1.8.0_261\bin\prog>javac IntDiv.java
D:\Java\jdk1.8.0_261\bin\prog>java IntDiv
```

Integer Division

Num1:	<input type="text" value="100"/>	Num2:	<input type="text" value="0"/>	<input type="button" value="Divide"/>	Result:	<input type="text" value="0"/>
-------	----------------------------------	-------	--------------------------------	---------------------------------------	---------	--------------------------------

Caught: java.lang.ArithmeticException: / by zero Num2= 0

```
^
symbol:   class string
location: class IntDiv
1 error

D:\Java\jdk1.8.0_261\bin\prog>javac IntDiv.java
D:\Java\jdk1.8.0_261\bin\prog>java IntDiv
D:\Java\jdk1.8.0_261\bin\prog>javac IntDiv.java
D:\Java\jdk1.8.0_261\bin\prog>java IntDiv
D:\Java\jdk1.8.0_261\bin\prog>javac IntDiv.java
D:\Java\jdk1.8.0_261\bin\prog>java IntDiv
D:\Java\jdk1.8.0_261\bin\prog>javac IntDiv.java
D:\Java\jdk1.8.0_261\bin\prog>java IntDiv
D:\Java\jdk1.8.0_261\bin\prog>javac IntDiv.java
D:\Java\jdk1.8.0_261\bin\prog>java IntDiv
```

Integer Division

Num1: Num2: Result:

Caught: java.lang.NumberFormatException: For input string: "100.000"