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//Division awt
import java.awt.*;
import java.awt.event.*;
class div extends Dialog implements ActionListener{
    Series d;
    div(Frame parent,String title){
        super(parent,title,false);
        d=(Series)parent;
        setLayout(new FlowLayout());
        setSize(500,200);
        add(new Label(d.er));
        Button b;
        add(b = new Button("OK"));
        b.addActionListener(this);
    }
    public void actionPerformed(ActionEvent ae){
        dispose();
    }
}
public class Series extends Frame implements ActionListener{
    TextField n1, n2,r;
    Button Divide;
    String er="";
    public Series()
    {
        setLayout(new FlowLayout());
        Divide = new Button("Divide");
        Label n1p = new Label("Num1 : ",Label.RIGHT);
        Label n2p = new Label("Num2 : ",Label.RIGHT);
        n1 = new TextField(10);
        n2 = new TextField(10);
        r = new TextField(10);
        add(n1p);
        add(n1);

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3072     add(n1);
3073     add(n2p);
3074     add(n2);
3075     add(Divide);
3076     add(r);
3077     Divide.addActionListener(this);
3078     addWindowListener(new WindowAdapter() {
3079         public void windowClosing(WindowEvent we)
3080         {
3081             System.exit(0);
3082         }
3083     });
3084 }
3085
3086 public void actionPerformed(ActionEvent ae)
3087 {
3088     int a=0,b=0,c=0,d=0;
3089     double re=0;
3090     try{
3091         a = Integer.parseInt(n1.getText());
3092         b = Integer.parseInt(n2.getText());
3093     }
3094     catch (NumberFormatException e1) {
3095         er="Caught: "+e1;
3096         div dv = new div(this,"Error");
3097         dv.setVisible(true);
3098     }
3099     try{
3100         c = Integer.parseInt(n1.getText());
3101         d = Integer.parseInt(n2.getText());
3102         re=c/d;
3103     }
3104     catch (ArithmeticException e2) {
3105         er="Caught: "+e2+" as n2= "+ n2.getText();
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3105         er="Caught: "+e2+" as n2= "+ n2.getText();
3106         div di = new div(this,"Error");
3107         di.setVisible(true);
3108     }
3109     r.setText(" "+re);
3110 }
3111
3112 public static void main(String args[]){
3113     Series appwin = new Series();
3114     appwin.setSize(new Dimension(800,400));
3115     appwin.setTitle("Integer Division");
3116     appwin.setVisible(true);
3117 }
3118 }
3119
3120
```



## Integer Division



Num1 :

56

Num2 :

2

Divide

28.0

Num1 : Num2 : 

Error



Caught: java.lang.NumberFormatException: For input string: "2.6"

Num1 :

Num2 :

Divide



Error



Caught: java.lang.ArithmeticException: / by zero as n2= 0

OK