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

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

  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);
     result = new TextField(12);

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

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```
division.addActionListener(this);
resul.addActionListener(this);
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));
    }
```

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```
        catch (NumberFormatException ne)
        {
            msg = " Number format
                    Exception";
        dia d = new dia (this, "Exceptio
        d.setVisible(true);
        }
    catch (ArithmeticException a) {
        msg = "Arithmetic Exption";
        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);
    add (new Label (bld.msg));
    Button b;
```

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```
add(b = new Button("OK"));
  b.addActionListener(this);
}
public void actionPerformed(
                    ActionEvent ae)
{
  dispose();
}
}
```

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