

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

```
Public class Division extends Frame
implement ActionListener
```

```
{
```

```
Dialog d;
```

```
Text Field Num1, Num2, result
```

```
Button Division1)
```

```
Public Division ()
```

```
{
```

```
Set layout (new Flow layout());
```

```
Set Size (500, 500);
```

```
Num1 = new Text Field (10);
```

```
Num2 = new Text Field (10)
```

```
Result = new Text Field (10)
```

```
Divide = new
```

```
Button ("Divide")
```

```
add (new Label ("Enter 1st number:"));
```

```
add (Num1);
```

```
add (new Label ("Enter 2nd number:"));
```

```
add (Num2);
```

```
add (new Label ("Enter 2nd number:"));
```

```
add (Result)
```

```
add (Divide)
```

```
Divide add ActionListener (-this);
```

```
Set Visible (true)
```

```
add Window Listener (new My Window
Adapter());
```

```
{
```

```
public void main action Performed
```


(Action Event ae)

```
{
    if (ae.getSource() == Divide)
    {
        try
        {
```

```
            result.setText(Integer.toString(Integer.parseInt(Num1
            .getText().trim()) / Integer.parseInt(Num2
            .getText().trim())));
        }
```

catch (ArithmeticException aex)

```
{
    Dialog d1 = new Dialog("Arithmetic Exception");
    d1.setVisible(true);
}
```

catch (NumberFormatException nfe)

```
{
    Dialog d2 = new Dialog("Number Format
    Exception");
}
```

```
d2.setVisible(true);
}
```

```
public static void main(String arg[])
{
```



```
new Division ();
```

```
{
}
```

Class Dia extends Dialog implements ActionListener

```
{
    Button ok;
    Dia (String str)
```

```
{
```

```
    Super (new Frame ()) str, true
```

```
    ok = new Button ("OK");
```

```
    Set Layout (new Flow Layout ());
```

```
    Set Size (300, 200);
```

```
    add (ok);
```

```
    ok add ActionListener (this)
```

```
    add Window Listener (new My Window Adapter ())
```

```
{
```

```
    Public void actionPerformed (ActionEvent ae)
```

```
{
```

```
    Set Visible (true);
```

```
}
```

Class My Window Adapter extends Window
Public void Window Closing (WindowEvent we)

```
{
```

```
    System .exit (0)
```


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