Week 10 lab 10

```
import java.awt.*;
import java.awt.event.*;
class DialogB extends Dialog implements Action
{
 Division div;
 DialogB (Frame parent, String title)
 {
  super (parent, title, false);
  div = (Division) parent;
  setLayout (new FlowLayout ());
  setSize (400, 150);
  add (new Label (div.msg));
  Button b;
  add (b = new Button ("Ok"));
  b.addActionListener (this);
 }
public void actionPerformed (ActionEvent ae)
 {
  dispose ();
 }
}

public class Division extends Frame implements Acti
Listener {
 Textfield num1, num2, num3;
 Button b1;
 String msg = " ";
 public Division ()
 {
  setLayout (new FlowLayout ());
  Label nump = new Label ("Number1: ", Label.RIGHT
  Label nump = new Label ("Number2: ", Label.R
```

```
b1 = new Button("Divide");
Label resultp = new Label("Result :", Label.RIGHT);
num1 = new Textfield(12);
num2 = new Textfield(12);
result = new Textfield(12);
add(num1p);
add(num1);
add(num2p);
add(num2);
add(b1);
add(resultp);
add(result);
num1.addActionListener(this);
num2.addActionListener(this);
b1.addActionListener(this);
addWindowListener(new WindowAdapter()
{
public void windowClosing(WindowEvent we){
    System.exit(0);
}
});
}

public void actionPerformed(ActionEvent ae)
{
  if(!(num1.getText().equals("")) && !(num2.getText()
  .equals(
  try
  {
    int x= Integer.parseInt(num1.getText());
    int y= Integer.parseInt(num2.getText());
    int z;
    z = x/y;
    msg = "" + z;
  }
```

```
        catch (NumberFormatException e)
        {
        msg = "" + e;
        result.setText ("");
        DialogB d = new DialogB (this, "Error");
        d.setVisible (true);
        }
        catch (ArithmeticException e)
        {
          msg = "" + e;
          result.setText ("");
          DialogB d = new DialogB (this, "Error");
          d.setVisible (true);
        }
      }
      else
        {
        msg = "Number Fields should NOT be EMPTY!";
        result.setText ("");
        d.setVisible (true);
        }
    }
    public void paint (Graphics g)
    {
      result.setText (msg);
    }
    public static void main (String args[])
    {
      Division a = new Division()
      a.setSize (new Dimension (500, 200));
      a.setTitle ("Int-Division");
      a.setVisible (true);
    }
}
```