week-12

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1BM17CS012

```
import java.awt.*;
import java.awt.event.*;
import javax.swing.*;
Public class Division extends Frame implements ActionListener{
Text Field n1, n2, res;
label l1, l2, lres;
Button b;
Public Division() {
    SetLayout(New FlowLayout());
    label l1=new label("Num1", Label.RIGHT);
    Label l2= New label("Num2", label.RIGHT);
    label lres = new label("Result", Label.RIGHT);
    n1 = new TextField(12);
    n2= new Tex Field(8);
    res = new Text Field(10);
    b=new Button("Divide");
    add(l1)
    add(n1);
    add(l2);
    add(n2);
    add(b);
    add(lres);
    add(res);
  b.addActionListener(this);
addwindowListener(new MywindowAdapter());
}
```

```
Public void actionPerformed (ActionEvent ac)
{
  if(ac.getSource() == b)
  {
    try {
    int num1 = Integer.parseInt(n1.getText());
    int num2 = Integer.parseInt(n2.getText());
    int num3 = num1 / num2;
   res.setText(String.valueOf(num3));
} catch(NumberFormatException ne) {
      JOptionPane.showMessageDialog(this, ne, "ERROR", JOption
                                    Pane.ERROR_MESSAGE);
}
 catch(ArithmeticException a) {
    JOptionPane.showMessageDialog(this, a, "ERROR", JOptionPane.
                                    ERROR_MESSAGE);

    }
  }
}
Public static void main(String args[])
{
 Division i = new Division();
 i.setSize(new Dimension(400,400));
 i.setTitle("Integer Division of Two NUMBERS");
 i.setVisible(true);
}
 class myWindowAdapter extends WindowAdapter {
  Public void windowClosing(WindowEvent we)
{
   System.exit(0);
  }
}
```