

Expt. No. 10

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

public class IntDiv extends Frame implements ActionListener
{ TextField Num1, Num2, Result;
  Button Divide;

  public IntDiv()
  { setLayout(new FlowLayout());
    Divide = new Button("Divide");
    Label Num1p = new Label("Num1: ", Label.RIGHT);
    Label Num2p = new Label("Num2: ", Label.RIGHT);
    Label Resultp = new Label("Result: ", Label.RIGHT);
    Label Num1 = new TextField(10);
    Num2 = new TextField(10);
    Result = new TextField(10);

    add(Num1p);
    add(Num1);
    add(Num2p);
    add(Num2);
    add(Divide);
    add(Resultp);
    add(Result);

    Num1.addActionListener(this);
    Num2.addActionListener(this);
    Divide.addActionListener(this);
```

Teacher's Signature : _____

```
addWindowListener(new WindowAdapter() {  
    public void windowClosing(WindowEvent we)  
    { System.exit(0); }  
});  
  
public void actionPerformed(ActionEvent ae)  
{ String str = ae.getActionCommand();  
  int a=0, b=1, r=0;  
  if (str.equals("Divide"))  
  { try  
    { a = Integer.parseInt(Num1.getText());  
      b = Integer.parseInt(Num2.getText()); }  
    catch (NumberFormatException e)  
    { errmsg = "Caught " + e; }  
    try  
    { r = a/b; }  
    catch (ArithmeticException e)  
    { errmsg = "caught " + e + " Num1 = " + a + b; }  
    Result.setText(" " + r);  
  }  
  repaint();  
}  
  
public static void main(String args[])  
{ IntDiv appwin = new IntDiv();  
  appwin.setSize(new Dimension(700, 700));  
  appwin.setTitle("Integer Division");  
  appwin.setVisible(true);  
}
```