

Lab Program 10

```
import java.awt.*;  
import java.awt.event.*;  
import javax.swing.*;  
public class integdivision extends JFrame implements ActionListener  
{  
    Text field n1, n2, res;  
    Label ln1, ln2, lres;  
    Button b;  
    public integdivision()  
    {  
        setLayout(new FlowLayout(1));  
        Label ln1 = new Label("Number 1", Label.RIGHT);  
        Label ln2 = new Label("Number 2", Label.RIGHT);  
        Label lres = new Label("RESULT", Label.RIGHT);  
        n1 = new TextField(12);  
        n2 = new TextField(8);  
        res = new TextField(10);  
        b = new Button("DIVIDE");  
        add(ln1);  
        add(n1);  
        add(ln2);  
        add(n2);  
        add(b);  
        add(lres);  
        add(res);  
        b.addActionListener(this);  
        addWindowListener(new WindowAdapter());  
    }  
    public void actionPerformed(ActionEvent ae)  
    {  
        if (ae.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",
        JOptionPane.ERROR_MESSAGE);
    catch (ArithmeticException a) {
        JOptionPane.showMessageDialog(this, a, "ERROR",
            JOptionPane.ERROR_MESSAGE);
    }
}
}
}
}
public static void main(String args[])
{
    IntegerDivision i = new IntegerDivision();
    i.setSize(new Dimension(400, 400));
    i.setTitle("INTER DIVISION OF TWO NUMBERS:");
    i.setVisible(true);
}
class WindowAdapter1 extends WindowAdapter {
    public void windowClosing(WindowEvent we)
    {
        System.exit(0);
    }
}
}
}

```