

// Lab program 10

Dibha N  
10M19CS051

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

public class IntegerDivision extends JFrame implements ActionListener
{
    TextField n1, n2, res;
    Label ln1, ln2, res;
    Button b;

    public IntegerDivision()
    {
        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);
    }
}
}

```