

### WEEK-13

```

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

public class integerdivision extends JFrame implements
    ActionListener {

    TextField n1, n2, res;
    Label ln1, ln2, lres;
    Button b;

    public integerdivision() {
        setLayout(new FlowLayout());
        Label ln1 = new Label("NUMBER 1", Label.RIGHT);
        Label ln2 = new Label("NUMBER 2", Label.RIGHT);
        Label ln1 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 Dimensions(400, 400));
    i.setTitle("INTEGER DIVISION OF TWO NUMBERS");
    i.setVisible(true);
}
```

```
class WindowAdapter1 extends WindowAdapter {
    public void windowClosing(WindowEvent we) {
        System.exit(0);
    }
}
```