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

public class lab extends Frame implements ActionListener{
    Dialog d;
    TextField Num1, Num2;
    Button divide = new Button("DIVIDE");
    float result = 0;
    String msg = "";

    public lab(){
        setLayout (new FlowLayout ());
        Num1 = new TextField(10);
        Num2 = new TextField(10);
        Label result = new Label(" Num1: ", Label.RIGHT);
        Label msg = new Label("Num2: ", Label.RIGHT);
        add(new Label("Num1: "));
        add (Num1);
        add(new Label("Num2: "));
        add (Num2);
        add(divide);
        divide.addActionListener(this);
        addWindowListener(new WinAdapter());
    }
    public void actionPerformed(ActionEvent ae){
        if(ae.getSource() == divide) {
            try{
                int n1 = Integer.parseInt(Num1.getText());
                int n2 = Integer.parseInt(Num2.getText());
                result = n1/n2;
            }
            catch(NumberFormatException exception){
                dial d1=new dial ("Number Format Exception");
                d1.setVisible(true);
            }
            catch(ArithmeticException exception){
```

```java
                catch(ArithmeticException exception){
                    dial d2=new dial ("Arithmetic Exception");
                    d2.setVisible(true);
                }
                repaint();
            }
        }
    public void paint (Graphics g){
        g.drawString("Result: "+ String.valueOf(result), 20, 100);
    }
    public static void main(String[] args) {
        lab p = new lab();
        p.setSize(new Dimension (350,300));
        p.setTitle("Divide");
        p.setVisible(true);
    }
}

class dial extends Dialog implements ActionListener{
    dial(String str){
        super(new Frame(), str, true);
        setLayout(new FlowLayout());
        setSize(300, 200);
        addWindowListener(new WinAdapter());
    }
    public void actionPerformed(ActionEvent ae){
        setVisible(true);
    }
    public void paint(Graphics g){
        g.drawString("Error!",10,70);
    }
}

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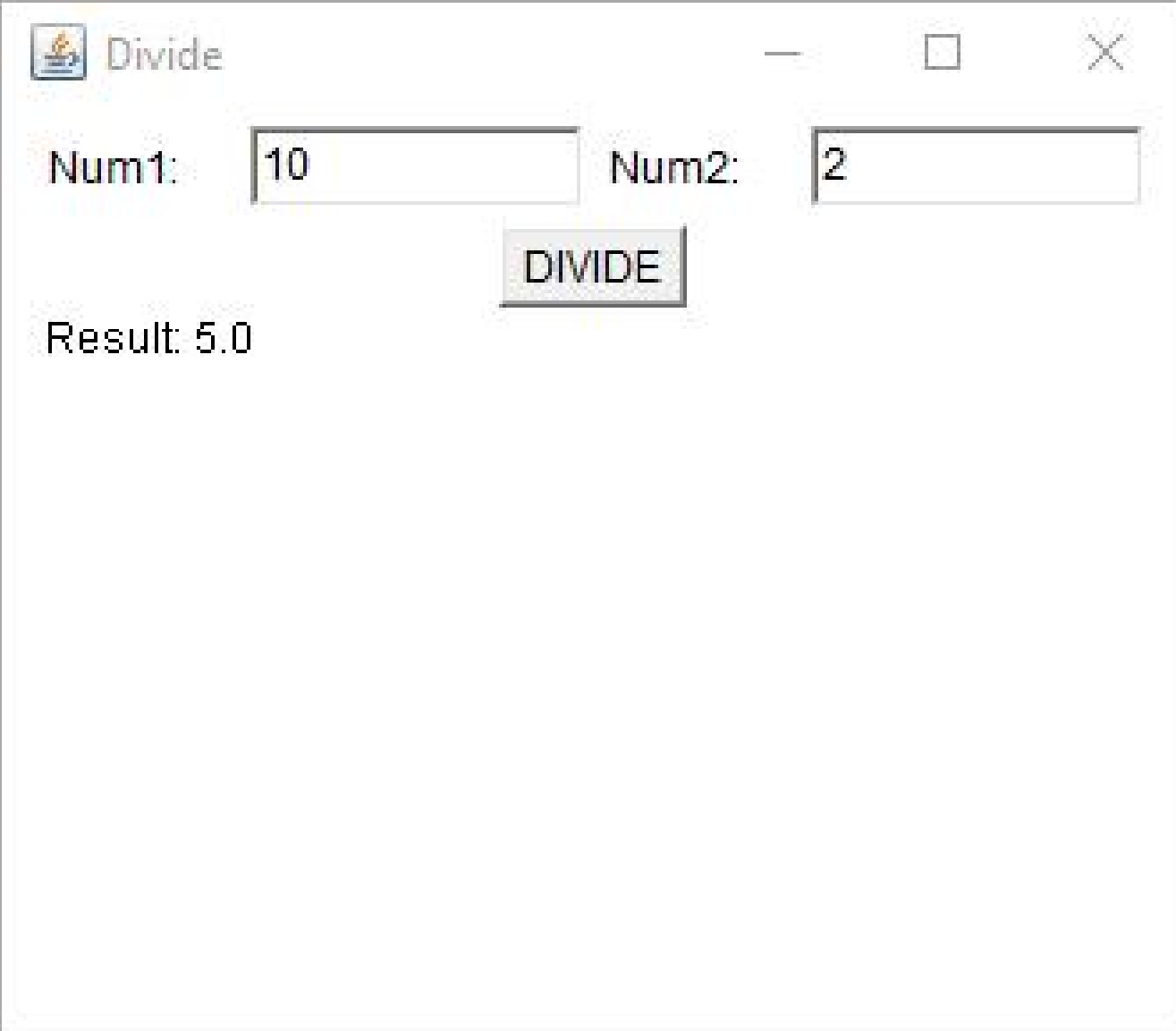
```
                System.exit(0);
        }
}
```

Divide

Num1: `10`   Num2: `2`

DIVIDE

Result: 5.0

Divide

Num1: `57.87`   Num2: `2`

[DIVIDE]

Result: 0.0

Number Format Exception

Error!