

# WEEK12

## LAB-PROGRAM:

### CODE:

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

public class Divide implements ActionListener
{

    Frame f=new Frame();
    Label l1=new Label("First Number");
    Label l2=new Label("Second Number");
    Label l3=new Label();
    Label l4=new Label();

    TextField t1=new TextField();
    TextField t2=new TextField();

    Button b1=new Button("Div");

    Divide()
    {

        l1.setBounds(100,100,100,20);
        l2.setBounds(100,140,100,20);
        l3.setBounds(100,180,100,20);
        l4.setBounds(100,220,300,20);

        t1.setBounds(250,100,150,20);
        t2.setBounds(250,140,150,20);
```

```

        b1.setBounds(200,275,50,20);

        f.add(l1);
        f.add(l2);
f.add(l3);
f.add(l4);

        f.add(t1);
        f.add(t2);

        f.add(b1);

        b1.addActionListener(this);

        f.setLayout(null);
        f.setVisible(true);
        f.setSize(500,350);
    }

    public void actionPerformed(ActionEvent e)
    {

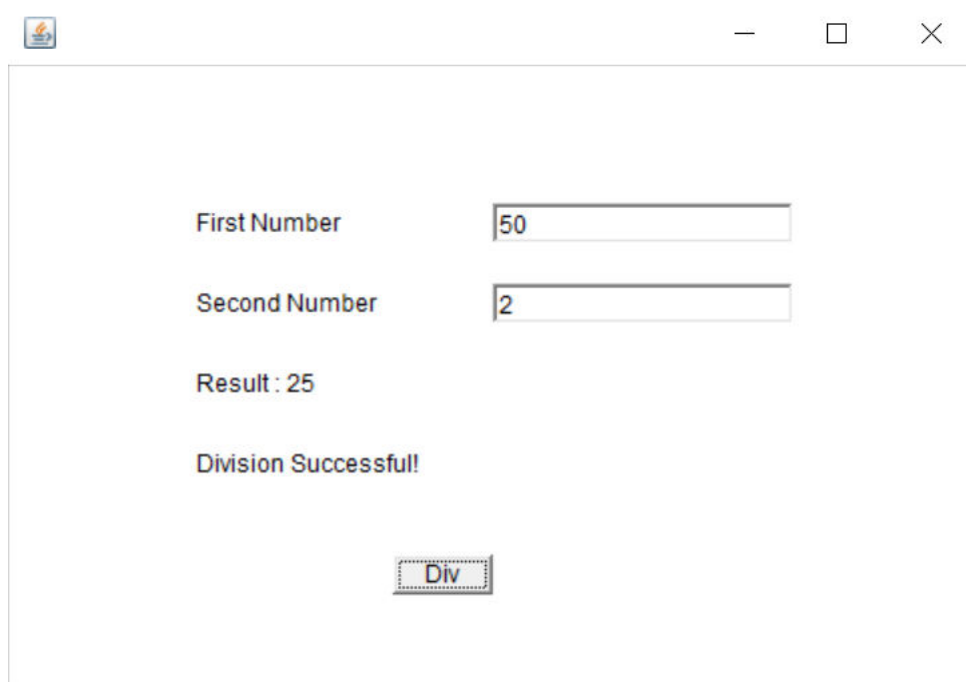
        try {
            int n1=Integer.parseInt(t1.getText());
            int n2=Integer.parseInt(t2.getText());
            l3.setText("Result : "+String.valueOf(n1/n2));
            l4.setText("Division Successful!");
        } catch (Exception ex) {
            l4.setText(String.valueOf(ex));
            l3.setText("Result : Error");
        }
    }

    public static void main(String args[])
    {

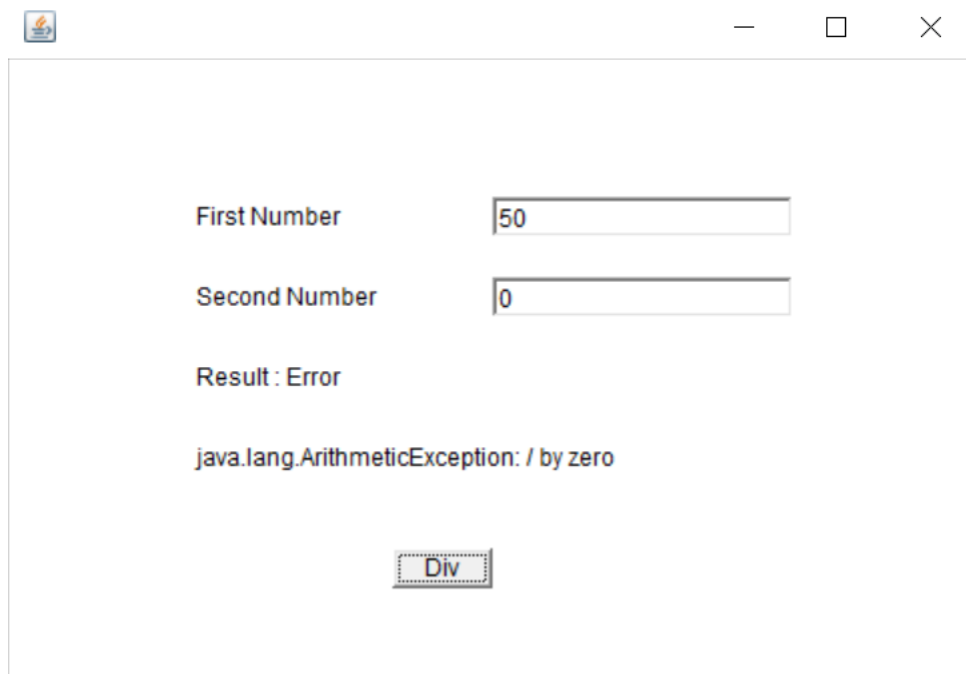
```

```
        new Divide();  
    }  
}
```

## OUTPUT:



A screenshot of a Java Swing window titled with a small icon. The window contains two text input fields. The first field is labeled "First Number" and contains the value "50". The second field is labeled "Second Number" and contains the value "2". Below these fields, the text "Result : 25" is displayed. Further down, the text "Division Successful!" is shown. At the bottom center, there is a button labeled "Div".



A screenshot of a Java Swing window titled with a small icon. The window contains two text input fields. The first field is labeled "First Number" and contains the value "50". The second field is labeled "Second Number" and contains the value "0". Below these fields, the text "Result : Error" is displayed. Further down, the text "java.lang.ArithmeticException: / by zero" is shown. At the bottom center, there is a button labeled "Div".



First Number

Second Number

Result : Error

java.lang.NumberFormatException: For input string: "aa"

Div