

# 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(50,100,100,20);
        l2.setBounds(50,140,100,20);
        l3.setBounds(50,180,100,20);
        l4.setBounds(50,220,300,20);

        t1.setBounds(200,100,150,20);
        t2.setBounds(200,140,150,20);
```

```
b1.setBounds(150,275,50,20);
```

```
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(400,350);
```

```
}
```

```
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));
```

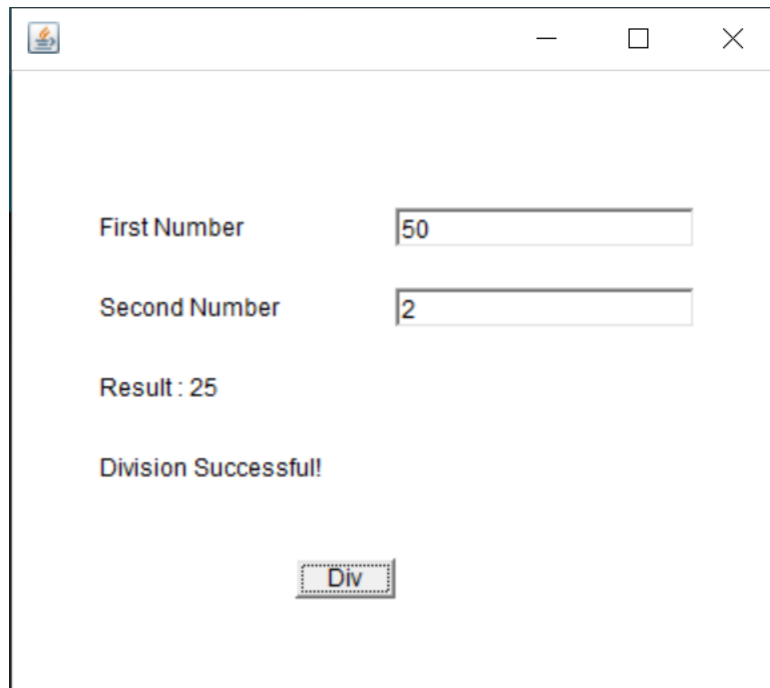
```
    }
```

```
}
```

```
public static void main(String...s)
```

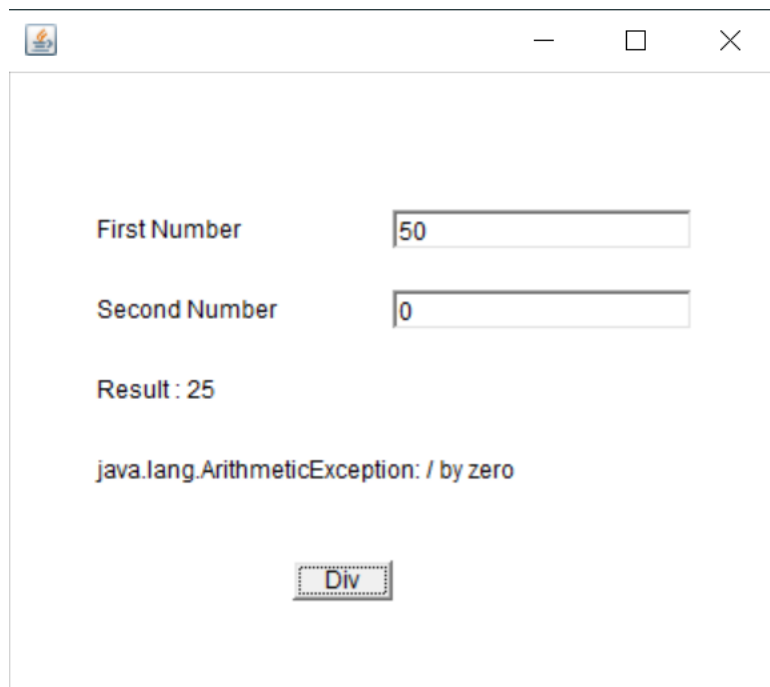
```
{  
    new Divide();  
}
```

## OUTPUT:



A Java Swing window with a title bar containing a Java logo and standard window controls (minimize, maximize, close). The window contains the following text and controls:

- Label "First Number" followed by a text input field containing the value "50".
- Label "Second Number" followed by a text input field containing the value "2".
- Text "Result : 25".
- Text "Division Successful!".
- A button labeled "Div" at the bottom center.



A Java Swing window with a title bar containing a Java logo and standard window controls (minimize, maximize, close). The window contains the following text and controls:

- Label "First Number" followed by a text input field containing the value "50".
- Label "Second Number" followed by a text input field containing the value "0".
- Text "Result : 25".
- Text "java.lang.ArithmeticException: / by zero".
- A button labeled "Div" at the bottom center.



First Number

Second Number

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

Div