

```
import java.awt.*;
import java.awt.event.*;
class Division extends Frame implements ActionListener{
    TextField num1TextField;
    TextField num2TextField;
    Button calculate;
    int a,b;
    float result;
    String msg="Enter the numbers";
    public Division(){

        setLayout(new FlowLayout());

        calculate=new Button("Calculate");
        num1TextField=new TextField(5);
        Label num1Label=new Label("Number 1",Label.RIGHT);
        num2TextField=new TextField(5);
        Label num2Label=new Label("Number 2",Label.RIGHT);

        add(num1Label);
        add(num1TextField);
        add(num2Label);
        add(num2TextField);
        add(calculate);
        num1TextField.addActionListener(this);
        num2TextField.addActionListener(this);
        calculate.addActionListener(this);

        addWindowListener(new MyWindowAdapter());
    }
    public void actionPerformed(ActionEvent ae){
        try{
            result=divideNumbers();
            msg=("The result is "+result);
            repaint();
        }catch(NumberFormatException e){
            msg="Number is not Integer."+e;
            repaint();
        }catch(ArithmeticException e){
            msg="Divide By zero not Allowed."+e;
        }
    }
}
```

```
        calculate.addActionListener(this);

        addWindowListener(new MyWindowAdapter());
    }
    public void actionPerformed(ActionEvent ae){
        try{
            result=divideNumbers();
            msg=("The result is "+result);
            repaint();
        }catch(NumberFormatException e){
            msg="Number is not Integer."+e;
            repaint();
        }catch(ArithmeticException e){
            msg="Divide By zero not Allowed."+e;
            repaint();
        }
    }
    public float divideNumbers(){
        a=Integer.parseInt(num1TextField.getText());
        b=Integer.parseInt(num2TextField.getText());
        if(b==0){
            throw new ArithmeticException();
        }
        return (float)a/b;
    }
    public void paint(Graphics g){
        g.drawString(msg,50,100);
    }
    public static void main(String args[]){
        Division div=new Division();
        div.setSize(new Dimension(500,500));
        div.setTitle("Division Calculator");
        div.setVisible(true);
    }
}
class MyWindowAdapter extends WindowAdapter{
    public void windowClosing(WindowEvent event){
        System.exit(0);
    }
}
```

Microsoft Windows [Version 10.0.19041.630]
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C:\Users\anant>cd JAVA A

C:\Users\anant\JAVA A>javac Division.java

C:\Users\anant\JAVA A>java Division

Division Calculater

Number 1

Number 2

Calculate

Number is not Integer java.lang.NumberFormatException: For input string: "6.4"

Microsoft Windows [Version 10.0.19041.630]
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C:\Users\anant>cd JAVA A

C:\Users\anant\JAVA A>javac Division.java

C:\Users\anant\JAVA A>java Division

Division Calculator

Number 1

7

Number 2

0

Calculate

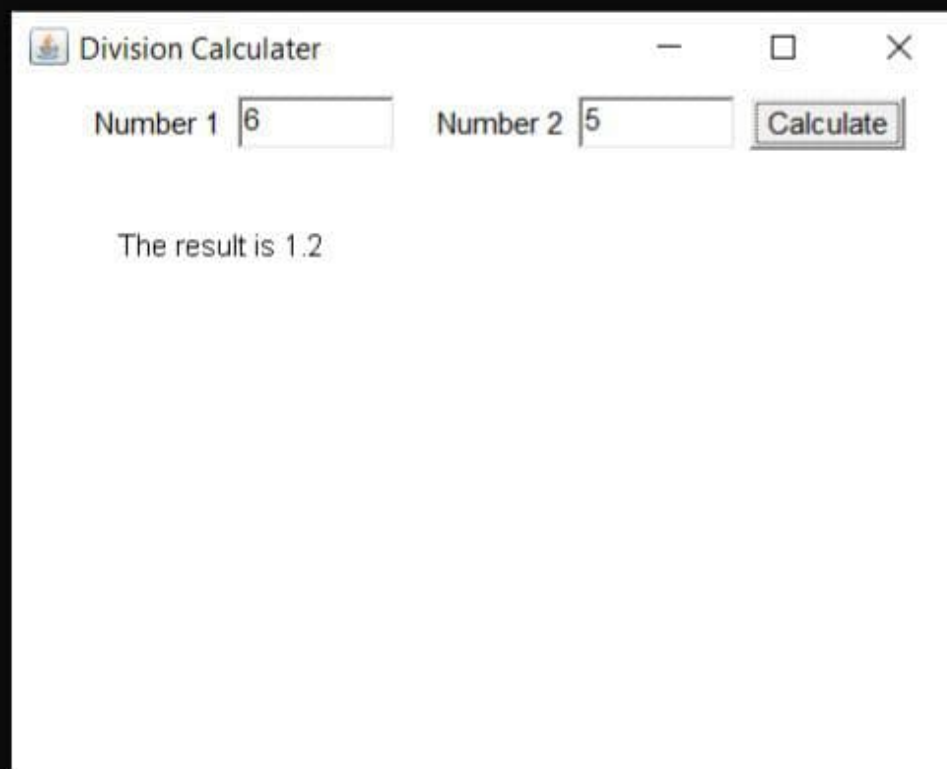
Divide By zero not Allowed.java.lang.ArithmeticException

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The image shows a Java application window titled "Division Calculator". It has a standard Windows window frame with minimize, maximize, and close buttons. Inside the window, there are two input fields labeled "Number 1" and "Number 2". "Number 1" contains the value "6" and "Number 2" contains the value "5". To the right of these fields is a button labeled "Calculate". Below the input fields, the text "The result is 1.2" is displayed.

Input	Value
Number 1	6
Number 2	5

Calculate

The result is 1.2