

```

import java.awt.*;
import java.awt.event.*;
class Dialog1 extends Dialog implements ActionListener {
    divide1 a;
    Dialog1(Frame parent,String title)
    {
        super(parent, title, false);
        a = (divide1)parent;
        setLayout(new FlowLayout());
        setSize(300, 200);
        add(new Label(a.error));
        Button b;
        add(b = new Button("OK"));
        b.addActionListener(this);
    }
    public void actionPerformed(ActionEvent ae) {
        dispose();
    }
}

public class divide1 extends Frame implements ActionListener {
    String error="";
    Button b1=new Button("Divide");
    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();
    public divide1()
    {
        setLayout(null);
        l1.setBounds(50,50,100,20);
        l2.setBounds(50,70,120,20);
        t1.setBounds(200,50,70,20);
        t2.setBounds(200,70,70,20);
        l3.setBounds(50,100,100,20);
        l4.setBounds(50,130,450,20);
        b1.setBounds(50,160,80,20);
        add(l1);
        add(l2);
        add(l3);
        add(l4);
    }
}

```

```

        add(t1);
        add(t2);
        add(b1);
        b1.addActionListener(this);
        addWindowListener(new WindowAdapter1());
    }

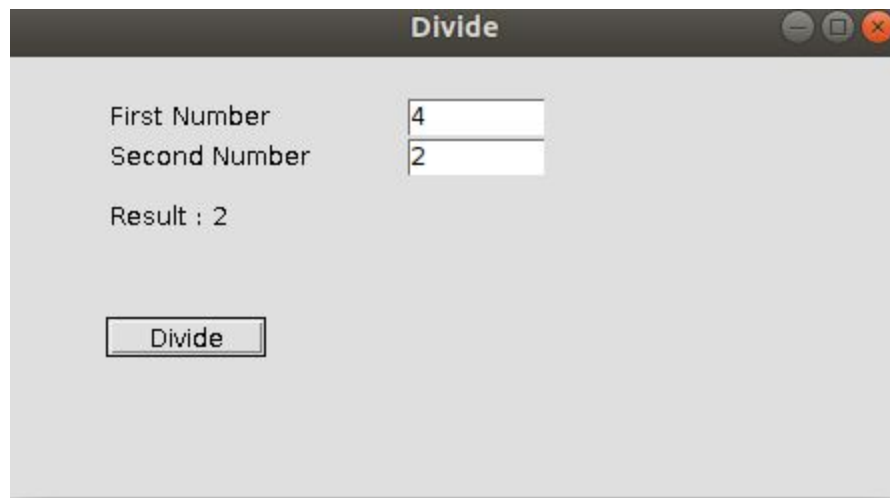
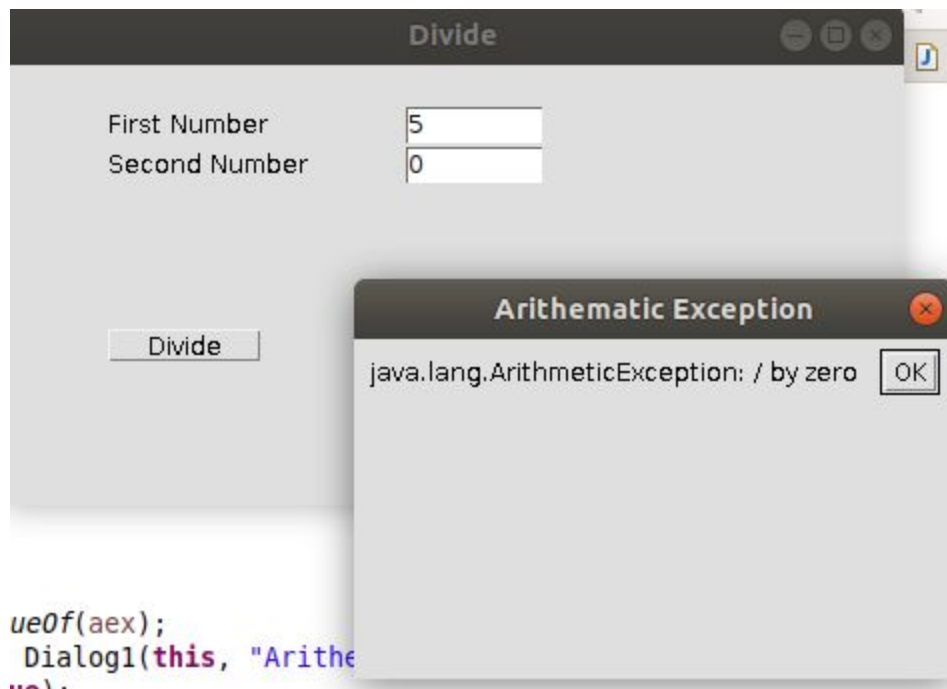
    public void actionPerformed(ActionEvent ae) {
        try {
            int num1=Integer.parseInt(t1.getText());
            int num2=Integer.parseInt(t2.getText());
            l3.setText("Result : "+String.valueOf(num1/num2));
            l4.setText("");
        } catch (NumberFormatException nex) {
            l3.setText("Result : Error");
            l4.setText(String.valueOf(nex));
        }
        catch(ArithmeticException aex)
        {
            l3.setText("");
            l4.setText("");
            error=String.valueOf(aex);
            Dialog1 d1 = new Dialog1(this, "Arithmetic Exception");
            d1.setVisible(true);
        }
    }

    public static void main(String args[])
    {
        divide1 d = new divide1();
        d.setSize(450,250);
        d.setTitle("Divide");
        d.setVisible(true);
    }
}

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

```

OUTPUT :



Divide

First Number

4.1

Second Number

2

Result : Error

java.lang.NumberFormatException: For input string: "4.1"

Divide