```java
import java.awt.*;

import java.awt.event.*;

public class Prac extends Frame implements ActionListener{

  Dialog d;

  TextField t1,t2,t3;

  Button comp;

  public Prac(){

    setLayout(new FlowLayout());

    setSize(500,500);

    t1=new TextField(10);

    t2=new TextField(10);

    t3=new TextField(10);

    comp=new Button("Compute");

    add(new Label("Enter num1:"));

    add(t1);

    add(new Label("Enter num2:"));

    add(t2);

    add(new Label("Result:"));

    add(t3);

    add(comp);

    comp.addActionListener(this);

    setVisible(true);

    addWindowListener(new WindowAdapter(){

      public void windowClosing(WindowEvent we){

        System.exit(0);

      }

    });

  }

  public void actionPerformed(ActionEvent ae){

    if(ae.getSource()==comp){

      try{
```

```java
t3.setText(Integer.toString((Integer.parseInt(t1.getText().trim()))/(Integer.parseInt(t2.getText().trim()
)))));
            }catch(ArithmeticException aex){
                Dia d1=new Dia("Arithmetic Exception");
                d1.setVisible(true);
            }
            catch(NumberFormatException nfe){
                Dia d2=new Dia("Number Format Exception");
                d2.setVisible(true);
            }
        }
    }
    public static void main(String args[]){
        new Prac();
    }


}
class Dia extends Dialog implements ActionListener{
    Button cancel;
    Dia(String str){
        super(new Frame(),str,true);
        cancel=new Button("Cancel");
        setLayout(new FlowLayout());
        setSize(300,200);
        add(new Label("Press the Button"));
        add(cancel);
        cancel.addActionListener(this);
        addWindowListener(new WindowAdapter(){
            public void windowClosing(WindowEvent we){
                System.exit(0);
            }
```

```java
        });
    }
    public void actionPerformed(ActionEvent ae){
        setVisible(true);
    }
    public void paint(Graphics g){
        g.drawString("Error!",10,70);
    }
}
```


Prac - Notepad

File Edit Format View Help

```java
import java.awt.*;
import java.awt.event.*;
public class Prac extends Frame implements ActionListener{
    Dialog d;
    TextField t1,t2,t3;
    Button comp;
    public Prac()
        setLayout
        setSize(5
        t1=new Te
        t2=new Te
        t3=new Te
        comp=new
        add(new L
        add(t1);
        add(new L
        add(t2);
        add(new L
        add(t3);
        add(comp)
        comp.addA
        setVisibl
        addWindow
            publ

            }
        });
    }
    public void a
        if(ae.get
            try{
                t
            }catc
                D
                d1.setVisible(true);
            }
            catch(NumberFormatException nfe){
                Dia d2=new Dia("Number Format Exception");
                d2.setVisible(true);
            }
        }
    }
```

Command Prompt - java Prac

D:\Java programs>java Prac

Enter num1: 12   Enter num2: 4   Result:

3   Compute

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Type here to search

12:06 AM
16-12-2020

File Edit Format View Help

```
import java.awt.*;
import java.awt.event.*;
public class Prac extends Frame implements ActionListener{
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        add(t3);
        add(comp)
        comp.addA
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            }
        });
    }
    public void a
        if(ae.get
            try{
                t
            }catc
                D
            d1.setVisible(true);
            }
            catch(NumberFormatException nfe){
                Dia d2=new Dia("Number Format Exception");
                d2.setVisible(true);
            }
        }
    }
```

Command Prompt - java Prac

D:\Java programs>java Prac

Enter num1: 12   Enter num2: 0   Result:
Compute

Arithmetic Exception   X
Error!   Press the Button   Cancel

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File Edit Format View Help

```
import java.awt.*;
import java.awt.event.*;
public class Prac extends Frame implements ActionListener{
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        add(t3);
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            }
        });
    }
    public void a
        if(ae.get
            try{
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            }catc
                D
            d1.setVisible(true);
            }
            catch(NumberFormatException nfe){
                Dia d2=new Dia("Number Format Exception");
                d2.setVisible(true);
            }
        }
    }
```

Command Prompt - java Prac

D:\Java programs>java Prac

D:\Java programs>java Prac

Enter num1: a   Enter num2: 3   Result:
Compute

Number Format Exception   X
Error!   Press the Button   Cancel

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