

Labprog10 - Notepad

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

public class Labprog10 extends Frame implements ActionListener{
    Dialog d;
    TextField t1,t2,t3;
    Button comp;
    public Labprog10(){
        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{
                t3.setText(Integer.toString((Integer.parseInt(t1.getText().trim()))/(Integer.parseInt(t2.getText().trim()))));
            }catch(ArithmeticException aex){
                dial d1=new dial("Arithmetic Exception");
                d1.setVisible(true);
            }
            catch(NumberFormatException nfe){
                dial d2=new dial("Number Format Exception");
                d2.setVisible(true);
            }
        }
    }
}
```

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```
        public void windowClosing(WindowEvent we){
            System.exit(0);
        }
    });
}
public void actionPerformed(ActionEvent ae){
    if(ae.getSource()==comp){
        try{
            t3.setText(Integer.toString((Integer.parseInt(t1.getText().trim()))/(Integer.parseInt(t2.getText().trim()))));
        }catch(ArithmeticException aex){
            dial d1=new dial("Arithmetic Exception");
            d1.setVisible(true);
        }
        catch(NumberFormatException nfe){
            dial d2=new dial("Number Format Exception");
            d2.setVisible(true);
        }
    }
}
}
public static void main(String args[]){
    new Labprog10();
}
}

class dial extends Dialog implements ActionListener{
    dial(String str){
        super(new Frame(),str,true);
        setLayout(new FlowLayout());
        setSize(300,200);
        addWindowListener(new WindowAdapter(){
            public void windowClosing(WindowEvent we){
                System.exit(0);
            }
        });
    }
    public void actionPerformed(ActionEvent ae){
        setVisible(true);
    }
    public void paint(Graphics g){
        g.drawString("Error!",10,70);
    }
}
}
```

Enter num1: Enter num2: Result:

Number Format Exception

✕

Error

Enter num1: 45.88 Enter num2: 23.4 Result:

Compute

Arithmetic Exception

Error

Enter num1: 3443 Enter num2: 0 Result: Compute