**1)Calculator without try catch**

import java.awt.\*;

import java.awt.event.\*;

class Calculator implements ActionListener

{

//Declaring Objects

Frame f=new Frame();

Label l1=new Label("First Number");

Label l2=new Label("Second Number");

Label l3=new Label("Result");

TextField t1=new TextField();

TextField t2=new TextField();

TextField t3=new TextField();

Button b1=new Button("Add");

Button b2=new Button("Sub");

Button b3=new Button("Mul");

Button b4=new Button("Div");

Button b5=new Button("Cancel");

Calculator()

{

//Giving Coordinates

l1.setBounds(50,100,100,20);

l2.setBounds(50,140,100,20);

l3.setBounds(50,180,100,20);

t1.setBounds(200,100,100,20);

t2.setBounds(200,140,100,20);

t3.setBounds(200,180,100,20);

b1.setBounds(50,250,50,20);

b2.setBounds(110,250,50,20);

b3.setBounds(170,250,50,20);

b4.setBounds(230,250,50,20);

b5.setBounds(290,250,50,20);

//Adding components to the frame

f.add(l1);

f.add(l2);

f.add(l3);

f.add(t1);

f.add(t2);

f.add(t3);

f.add(b1);

f.add(b2);

f.add(b3);

f.add(b4);

f.add(b5);

b1.addActionListener(this);

b2.addActionListener(this);

b3.addActionListener(this);

b4.addActionListener(this);

b5.addActionListener(this);

f.setLayout(null);

f.setVisible(true);

f.setSize(400,350);

}

public void actionPerformed(ActionEvent e)

{

int n1=Integer.parseInt(t1.getText());

int n2=Integer.parseInt(t2.getText());

if(e.getSource()==b1)

{

t3.setText(String.valueOf(n1+n2));

}

if(e.getSource()==b2)

{

t3.setText(String.valueOf(n1-n2));

}

if(e.getSource()==b3)

{

t3.setText(String.valueOf(n1\*n2));

}

if(e.getSource()==b4)

{

t3.setText(String.valueOf(n1/n2));

}

if(e.getSource()==b5)

{

System.exit(0);

}

}

public static void main(String...s)

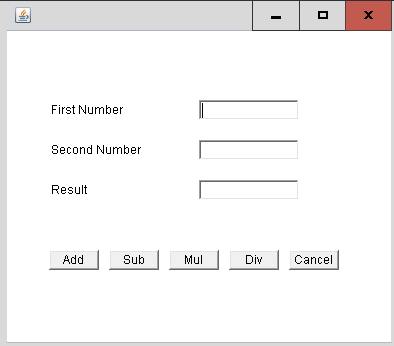
{

new Calculator();

}

}

**Output:**



**2) Calculator**

import java.awt.\*;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

class Calculator2 extends Frame implements ActionListener

{

Label lb1,lb2,lb3;

TextField txt1,txt2,txt3;

Button btn1,btn2,btn3,btn4,btn5,btn6,btn7;

public Calculator2()

{

lb1 = new Label("Var 1");

lb2 = new Label("Var 2");

lb3 = new Label("Result");

txt1 = new TextField(10);

txt2 = new TextField(10);

txt3 = new TextField(10);

btn1 = new Button("Add");

btn2 = new Button("Sub");

btn3 = new Button("Multi");

btn4 = new Button("Div");

btn5 = new Button("Mod");

btn6 = new Button("Reset");

btn7 = new Button("Close");

add(lb1);

add(txt1);

add(lb2);

add(txt2);

add(lb3);

add(txt3);

add(btn1);

add(btn2);

add(btn3);

add(btn4);

add(btn5);

add(btn6);

add(btn7);

setSize(200,200);

setTitle("Calculator");

setLayout(new FlowLayout());

//setLayout(new FlowLayout(FlowLayout.RIGHT));

//setLayout(new FlowLayout(FlowLayout.LEFT));

btn1.addActionListener(this);

btn2.addActionListener(this);

btn3.addActionListener(this);

btn4.addActionListener(this);

btn5.addActionListener(this);

btn6.addActionListener(this);

btn7.addActionListener(this);

}

public void actionPerformed(ActionEvent ae) {

double a=0,b=0,c=0;

try

{

a = Double.parseDouble(txt1.getText());

}

catch (NumberFormatException e) {

txt1.setText("Invalid input");

}

try

{

b = Double.parseDouble(txt2.getText());

}

catch (NumberFormatException e) {

txt2.setText("Invalid input");

}

if(ae.getSource()==btn1)

{

c = a + b;

txt3.setText(String.valueOf(c));

}

if(ae.getSource()==btn2)

{

c = a - b;

txt3.setText(String.valueOf(c));

}

if(ae.getSource()==btn3)

{

c = a \* b;

txt3.setText(String.valueOf(c));

}

if(ae.getSource()==btn4)

{

c = a / b;

txt3.setText(String.valueOf(c));

}

if(ae.getSource()==btn5)

{

c = a % b;

txt3.setText(String.valueOf(c));

}

if(ae.getSource()==btn6)

{

txt1.setText("0");

txt2.setText("0");

txt3.setText("0");

}

if(ae.getSource()==btn7)

{

System.exit(0);

}

}

public static void main(String[] args)

{

Calculator2 calC = new Calculator2();

calC.setVisible(true);

calC.setLocation(300,300);

}

}

**Output:**

