

Buttons.  
import java.awt.event.\*;  
import java.awt.\*;

class addField extends ~~Frame~~ implements  
ActionListener

{ Button b1;  
Textfield t1, t2;  
String click = "";  
public addField()  
{

setLayout (new FlowLayout());

t1 = new Textfield (12);

add (t1);

b1 = new Button("/");

add (b1);

t2 = new Textfield (12);

add (t2);

b1.add ActionListener (this);

add WindowListener (new My WindowAdapter());

{

public void action Performed (ActionEvent ae)

{ if (ae.getActionCommand().equals ("/"))

{ click = ae.getActionCommand();

repaint();

}

}

```
public void paint(Graphics g)
```

```
{
```

```
    int a, b;
```

```
    Color c = new Color(0, 0, 0);
```

```
    Color redd = new Color(255, 0, 0);
```

```
    g.setColor(c);
```

```
    g.drawString("===", 100, 50);
```

```
    if (t1.getText().equals("") || t2.getText().equals(""))
```

```
{
```

```
        g.setColor(redd);
```

```
        g.drawString("Fields cannot be empty", 100, 100);
```

```
        g.setColor(c);
```

```
        g.drawString("===", 100, 150)
```

```
    }
```

```
    else {
```

```
        try
```

```
        {
```

```
            a = Integer.parseInt(t1.getText());
```

```
            b = Integer.parseInt(t2.getText());
```

```
            int div = a / b;
```

```
            if (click.equals("/"))
```

```
            {
```

```
                g.setColor(c);
```

```
                g.drawString("Result of: " + a + "/" +
```

```
b+" "+dim, 100, 100);
```

```
g.drawString("====", 100, 150);
```

```
}
```

```
}
```

```
catch (NumberFormatException en1)
```

```
{ g.setColor(red);
```

```
g.drawString("Enter valid nos", 100, 100);
```

```
g.setColor(c);
```

```
g.drawString("====", 100, 150);
```

```
}
```

```
catch (ArithmeticException en2)
```

```
{ g.setColor(red);
```

```
g.drawString("Division by zero not possible,  
do not enter zero in second field", 100, 100);
```

```
g.setColor(c);
```

```
g.drawString("====", 100, 150);
```

```
}
```

```
}
```

```
}
```

```
public static void main(String a[])
```

```
{
```

```
addField f = new addField();
```

```
f.setSize(new Dimension(1000, 1000));
```

```
f.setTitle("DIVISION OF NUMBERS");
```

```
f.setVisible(true);
```

```
}
```



}

class MyWindowAdapter extends WindowAdapter

public void windowClosing (WindowEvent we)

{  
    System.exit(0);  
}

}