Object Oriented Programming 1
Fall 2015-16
Lab Manual: 08

Lab Task:

1. Lab Review, and start with unfinished classes from Lab_06
2. Develop Java classes

Note: Student must follow the name of class, member variables, and functions.
And students should use fully qualified names for these, as well camel notions.
And the syntax alignment has to be as it should be.

1. Lab_07 Classes – Review:

2. Develop Java Classes:

<table>
<tr><td colspan="3">Import Classes</td></tr>
<tr><td colspan="3">JContentpane   JButton   JLabel   JTextField   JButton   JFrame   JOptionPane
From javax.swing package   Ex: javax.swing.JComponent</td></tr>
<tr><td>Public Class
Calculator</td><td>JFrame calculatorFrame
JLabel lblNumber1, lblNumber2
JTextField txtNumber1, txtNumber2
JButton btnPlus, btnMinus, btnMul, btnDiv</td><td>Declare private</td></tr>
<tr><td></td><td>Constructors (Parameterized. Empty)
void initUI(String windowTitle)</td><td>Declare public</td></tr>
<tr><td colspan="3">For Component size and position : setBounds(x, y, width, height)
Window : calculatorFrame.setBounds(100, 100, 250, 155);   // set other components (JLabel, JTextfield, JButton)
Write a will show a java window following the above characteristics and Given Form on Figure 1.</td></tr>
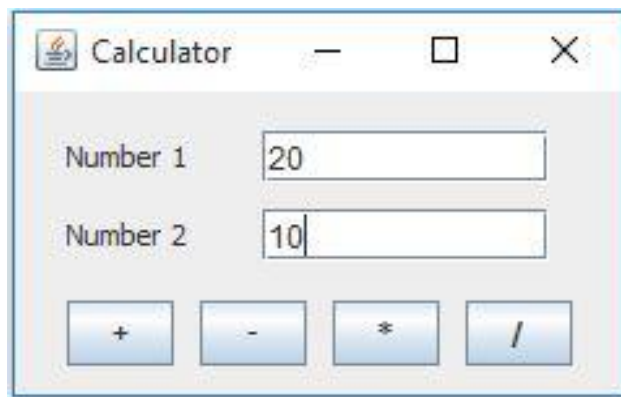</table>
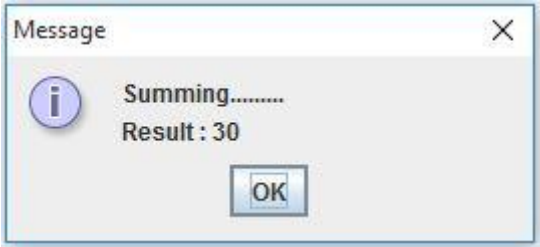

Fig 1: Simple Calculator

Fig 2: **ContactEditor**

Write a program will show a java window following the above characteristics and Given Form on Figure 2.

Design A registration form for STUDENT

Develop the form on same way you have done for the **ContactEditor**.

Extended Part

```
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;
```

Public Class **Calculator** includes Private Class **ButtonClickListener** Implements **ActionListener** interface	**void** actionPerformed(ActionEvent e) Hints: perform tasks for each button If plus presses, two numbers will be summed up and show on a message box. 	Declare public