

# Sinhgad Academy of Engineering, Kondhwa

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**Subject :** SPOS LAB

**Roll No.:** COTA14

**Year:** TE

**Div:** A

```
/*
```

```
* To change this license header, choose License Headers in Project Properties.
```

```
* To change this template file, choose Tools | Templates
```

```
* and open the template in the editor.
```

```
*/
```

```
package sposlab3;
```

```
/**
```

```
*
```

```
* @author student
```

```
*/
```

```
public class Additions extends javax.swing.JFrame {
```

```
/**
```

```
* Creates new form Additions
```

```
*/
```

```
public Additions() {
```

```
    initComponents();
```

```
}
```

```
/**
```

```
* This method is called from within the constructor to initialize the form.
```

```
* WARNING: Do NOT modify this code. The content of this method is always
```

```
* regenerated by the Form Editor.
```

```
*/
```

```
@SuppressWarnings("unchecked")
```

```
// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

    jTextField1 = new javax.swing.JTextField();
    jTextField2 = new javax.swing.JTextField();
    jButton1 = new javax.swing.JButton();
    jTextField3 = new javax.swing.JTextField();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jButton2 = new javax.swing.JButton();
    jButton3 = new javax.swing.JButton();
    jButton4 = new javax.swing.JButton();
    jLabel3 = new javax.swing.JLabel();
    jButton5 = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jTextField1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jTextField1ActionPerformed(evt);
        }
    });

    jTextField2.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jTextField2ActionPerformed(evt);
        }
    });

    jButton1.setText("Add");
    jButton1.addActionListener(new java.awt.event.ActionListener() {
```

```
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jLabel1.setText("Enter 1st Number");

jLabel2.setText("Enter 2nd Number");

jButton2.setText("Sub");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

jButton3.setText("Multi");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

jButton4.setText("Div");
jButton4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton4ActionPerformed(evt);
    }
});

jLabel3.setText("Answer ");
```

```
jButton5.setText("Reminder");

jButton5.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton5ActionPerformed(evt);
    }
});
```

```
javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());  
getContentPane().setLayout(layout);  
  
layout.setHorizontalGroup(  
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addGroup(layout.createSequentialGroup()  
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
                .addGroup(layout.createSequentialGroup()  
                    .addGap(51, 51, 51)  
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)  
                        .addComponent(jLabel1)  
                        .addComponent(jLabel2))  
                .addGroup(layout.createSequentialGroup()  
                    .addGap(74, 74, 74)  
                    .addComponent(jButton1)  
                    .addGap(36, 36, 36)  
                    .addComponent(jButton2)  
                    .addGap(33, 33, 33)))  
            .addContainerGap())
```

```

        .addComponent(jButton3)

        .addGap(32, 32, 32)

        .addComponent(jButton4, javax.swing.GroupLayout.PREFERRED_SIZE, 59,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(18, 18, 18)

        .addComponent(jButton5))

        .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE, 135,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE, 130,
javax.swing.GroupLayout.PREFERRED_SIZE)))

        .addGroup(layout.createSequentialGroup())

        .addGap(97, 97, 97)

        .addComponent(jLabel3)

        .addGap(44, 44, 44)

        .addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE, 207,
javax.swing.GroupLayout.PREFERRED_SIZE)))

        .addContainerGap(25, Short.MAX_VALUE))

);

layout.setVerticalGroup(

    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(layout.createSequentialGroup())

            .addGap(38, 38, 38)

            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

                .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

                .addComponent(jLabel1))

            .addGap(26, 26, 26)

            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

                .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

                .addComponent(jLabel2))

            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 38,
Short.MAX_VALUE)

```

```

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jButton1)
            .addComponent(jButton2)
            .addComponent(jButton3)
            .addComponent(jButton4)
            .addComponent(jButton5))
        .addGap(29, 29, 29)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel3))
        .addGap(31, 31, 31))
    );

```

```

    pack();
} // </editor-fold>

```

```

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    jTextField1.getText();
    jTextField2.getText();

    int a,b;

    a = Integer.parseInt(jTextField1.getText());
    b = Integer.parseInt(jTextField2.getText());

    int s = a + b;

    jTextField3.setText("sum is "+s);
}

```

```

private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {

}

```

```
private void jTextField2ActionPerformed(java.awt.event.ActionEvent evt) {  
  
}
```

```
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {  
    jTextField1.getText();  
    jTextField2.getText();  
    int a,b;  
    a = Integer.parseInt(jTextField1.getText());  
    b = Integer.parseInt(jTextField2.getText());  
    int s = a - b;  
    jTextField3.setText("Subtract is "+s);  
}
```

```
private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {  
    jTextField1.getText();  
    jTextField2.getText();  
    int a,b;  
    a = Integer.parseInt(jTextField1.getText());  
    b = Integer.parseInt(jTextField2.getText());  
    int s = a * b;  
    jTextField3.setText("Multiplication is "+s);  
}
```

```
private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {  
    jTextField1.getText();  
    jTextField2.getText();  
    float a,b;  
    a = Integer.parseInt(jTextField1.getText());  
    b = Integer.parseInt(jTextField2.getText());  
    float s = a / b;
```

```
textField3.setText("Division is "+s);  
}
```

```
private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {  
    textField1.getText();  
    textField2.getText();  
    float a,b;  
    a = Integer.parseInt(textField1.getText());  
    b = Integer.parseInt(textField2.getText());  
    float s = a % b;  
    textField3.setText("Mod is "+s);  
}
```

OUTPUT:

