## **Java End Term Practical**

Q1.Write an applet program which can perform the arithmetic operations like Sum, Subtract, Multiplication & Division.

## **Source Code:**

add(tf1);

```
Applet1.java
import java.awt.*;
import java.awt.event.*;
import java.applet.*;
// Nikhil Joshi 20711105 Haldwani Campus
<applet code="Applet1.class" width="300" height="300"> </applet>
*/
public class Applet1 extends Applet implements ActionListener
Label label1, label2, label3;
TextField tf1, tf2, tf3;
Button b1, b2, b3, b4;
String whichButtonClk;
public void init()
System.out.println("Initializing an applet");
label1 = new Label("Number1");
tf1= new TextField(10);
label2 = new Label("Number2");
tf2= new TextField(10);
b1 = new Button("Add");
b2= new Button("Subtract");
b3 = new Button("Multiply");
b4= new Button("Divide");
add(label1);
```

```
add(label2);
add(tf2);
add(b1);
add(b2);
add(b3);
add(b4);
tf1.addActionListener(this);
tf2.addActionListener(this);
b1.addActionListener(this);
b2.addActionListener(this);
b3.addActionListener(this);
b4.addActionListener(this);
public void actionPerformed(ActionEvent ae)
if(ae.getActionCommand().equals("Add") || ae.getActionCommand().equals("Subtract")
||ae.getActionCommand().equals("Multiply") ||ae.getActionCommand().equals("Divide"))//
checking if an event of clicking the add/subtract/multiply/divide button is generated
whichButtonClk=ae.getActionCommand();
repaint();
public void paint(Graphics g)
g.drawString("Please enter two numbers to perform math operations", 10,130);
if(tf1.getText().equals("") && tf2.getText().equals(""))
else
        Integer i1= new Integer(tf1.getText());
        Integer i2= new Integer(tf2.getText());
        int sum = i1+i2:
        int subtract=i1-i2;
        int multiply=i1*i2;
        float divide=(float)i1/(float)i2;
```

```
if(whichButtonClk.equals("Add"))
                       g.drawString("Your sum is "+ sum, 10,190);
           if(whichButtonClk.equals("Subtract"))
                       g.drawString("Your subtract is "+ subtract, 10,190);
           if(whichButtonClk.equals("Multiply"))
                       g.drawString("Your multiply is "+ multiply, 10,190);
           if(whichButtonClk.equals("Divide"))
                       g.drawString("Your divide is "+ divide, 10,190);
E:\java_programs\Applet1.java • - Sublime Text (UNREGISTERED)
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      Label label1, label2, label3;
TextField tf1, tf2, tf3;
Button b1, b2, b3, b4;
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      System.out.println("Initializing an applet");
      label1 = new Label("Number1");
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tf2= new TextField(10);
      b1 = new Button("Add");
     b2= new Button("Subtract");
b3 = new Button("Multiply");
b4= new Button("Divide");
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```





