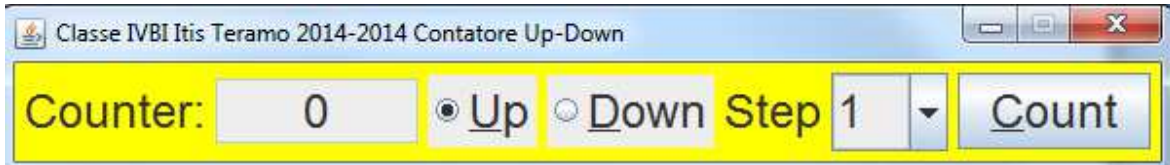# Contatore Avanti/Indietro


```java
import java.awt.*;
import java.awt.event.*;
import javax.swing.*;
@SuppressWarnings("serial")
public class ContaUpDown extends JFrame
{

    int conta = 0;  // counter's value
    boolean contaAvanti = true; // counting up or down
    int step = 1;   // increment step size
    JLabel l1=new JLabel("Counter:");
    JLabel l2=new JLabel("Step");
    JTextField tContatore=new JTextField("0",5);
    JRadioButton radioAvanti = new JRadioButton("Up", true);
    JRadioButton radioIndietro = new JRadioButton("Down",true);
    JButton bConta = new JButton("Count");
public ContaUpDown () {
        JPanel p=new JPanel();
        p.add(l1);
        tContatore.setEditable(false);
        tContatore.setHorizontalAlignment(JTextField.CENTER);
        p.add(tContatore);

        // Create JRadioButton for counting up and down

        radioAvanti.setMnemonic(KeyEvent.VK_U);
        p.add(radioAvanti);
        radioAvanti.addActionListener(new ActionListener() {
           @Override
           public void actionPerformed(ActionEvent e) {
              contaAvanti = true;
           }
        });

        radioIndietro.setMnemonic(KeyEvent.VK_D);
        p.add(radioIndietro);
        radioIndietro.addActionListener(new ActionListener()

        {
           @Override
           public void actionPerformed(ActionEvent e) {
              contaAvanti = false;
           }
        });
        // Setup a ButtonGroup to ensure exclusive selection
        ButtonGroup gSelezione = new ButtonGroup();
```

```java
    gSelezione.add(radioAvanti);
    gSelezione.add(radioIndietro);

    // Create JComboBox for setting the count step size
    p.add(l2);
    final Integer[] passi = {1, 2, 3, 4, 5};  // auto-upcast
 final   JComboBox<Integer> comboPassi = new JComboBox<Integer>(passi);
    comboPassi.setPreferredSize(new Dimension(60, 40));
    p.add(comboPassi);

 comboPassi.addActionListener(new ActionListener() {

     @Override
     public void actionPerformed(ActionEvent e) {
       step=comboPassi.getSelectedIndex()+1;
         }
     }
   );

    // Create JButton for "Count"

    bConta.setMnemonic(KeyEvent.VK_C);
    p.add(bConta);
    bConta.addActionListener(new ActionListener() {
       @Override
       public void actionPerformed(ActionEvent e)
       {
          if (contaAvanti)
          {
             conta+= step;
          } else
          {
             conta -= step;
          }
          tContatore.setText(conta + "");
       }

    });

    l1.setFont(new Font("Arial", Font.PLAIN, 24));
     l2.setFont(new Font("Arial", Font.PLAIN, 24));
     tContatore.setFont(new Font("Arial", Font.PLAIN, 24));
     tContatore.setFont(new Font("Arial", Font.PLAIN, 24));
     radioAvanti.setFont(new Font("Arial", Font.PLAIN, 24));
     radioIndietro.setFont(new Font("Arial", Font.PLAIN, 24));
     bConta.setFont(new Font("Arial", Font.PLAIN, 24));
     comboPassi.setFont(new Font("Arial", Font.PLAIN, 24));
     p.setBackground(Color.yellow);
    this.getContentPane().add(p);
    setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    setResizable(false);
    setTitle("Classe IVBI Itis Teramo 2014-2014 Contatore Up-Down");
    setSize(480, 100);
  pack();
   setVisible(true);
}
```

```java
    public static void main(String[] args) {
    new ContaUpDown();
    }

}
```