

# Java GUI

# Frame1.java

---

```
1  import javax.swing.*;
2
3  public class frame1 extends JFrame {
4  □ String words = "Welcome to JAVA";
5
6  □     public frame1(){
7         setTitle(words);
8         setSize(300, 200);
9         setVisible(true);
10        setLocationRelativeTo(null);
11        setDefaultCloseOperation(EXIT_ON_CLOSE);
12    }
13
14  □     public static void main(String[] args) {
15        frame1 gui = new frame1();
16    }
17 }
```

```
1  import javax.swing.*;
2  import java.awt.event.*;
3  import java.awt.*;
4
5  public class frame2 extends JFrame {
6  ▢ JLabel lblSelamat;
7  ▢   public frame2() { //Constructor
8      setLayout(null);
9      createComponents();
10     setSize(300, 150);
11     setVisible(true);
12     setResizable(false);
13     setDefaultCloseOperation(JFrame.EXIT_
14     ON_CLOSE);
15 }
16
17 ▢   public void createComponents() {
18     //menyiapkan komponen yang dibutuhkan
19     lblSelamat = new JLabel("Welcome to JAVA");
20     lblSelamat.setHorizontalAlignment(JLabel.CENTER);
21     lblSelamat.setFont(new Font("Arial", 1, 28));
22     lblSelamat.setForeground(new Color(125,125,0));
23     lblSelamat.setBounds(10, 20, 280, 50);
24     add(lblSelamat);
25 }
26
27 ▢ public static void main(String[] args) {
28     frame2 frame = new frame2();
29 }
30 }
```

# Timer

```
import javax.swing.*;
import java.awt.event.*;
import java.awt.*;

public class FrmTimer extends JFrame implements ActionListener {
    JLabel label;
    String tampilkan[] = {"Selamat Belajar",
                          "PEMROGRAMAN JAVA",
                          "Mahasiswa D4 TKJ",
                          "STMIK Subang"};

    Timer timer = new Timer(1000, this);
    int count = 0;

    public FrmTimer () { //Constructor
        setLayout(null);
        createComponents();
        setTitle("Aplikasi Timer");
        setSize(370, 150);
        setVisible(true);
        setLocationRelativeTo(null);
    }
}
```

# Timer

```
public void createComponents() { //menyiapkan komponen yang dibutuhkan
    label = new JLabel();
    label.setHorizontalAlignment(JLabel.CENTER);
    label.setFont(new Font("Arial", 1, 24));
    label.setForeground(Color.BLUE);
    label.setBounds(10, 20, 350, 50);
    add(label);
    timer.start();
}

public void actionPerformed(ActionEvent e) {
    label.setText( tampilkan[count%4] );
    count++;
}

public static void main(String[] args) {
    FrmTimer tmr = new FrmTimer();
}
}
```

# Splash Screen

```
import java.awt.*;
import javax.swing.*;
import javax.swing.border.*;

public class splashScreen extends JFrame{
    int a = 0;
    JProgressBar progressBar = new JProgressBar(0, 100);
    Border border = BorderFactory.createTitledBorder("tunggu dulu..");

    public splashScreen() {
        setLayout(null);
        setTitle("SPLASH SCREEN");
        setSize(350, 100);
        setVisible(true);
        setLocationRelativeTo(null);

        progressBar.setStringPainted(true);
        progressBar.setBounds(10, 20, 315, 20);
        Component add = add(progressBar);
        progressBar.setBorder(border);
    }
}
```

# Splash Screen

```
while (a <= 100) {  
    progressBar.setValue(a);  
    try {  
        Thread.sleep(20);  
    } catch (InterruptedException e) {  
    }  
    a += 1;  
}  
this.dispose();  
}  
  
public static void main(String args[]) {  
    new splashScreen();  
}  
}
```

# Tombol

```
import javax.swing.*;
import java.awt.event.*;
import java.awt.*;

public class tblKlik extends JFrame implements ActionListener {
    JLabel lblJumlah;
    JButton btnHitung;
    int jumlah = 0;

    public tblKlik() { //Constructor
        setLayout(null);
        createComponents();
        setSize(120, 150);
        setVisible(true);
        setLocationRelativeTo(null);
    }
}
```



# Tombol

```
public void createComponents() {  
    lblJumlah = new JLabel("0");  
    lblJumlah.setHorizontalAlignment(JLabel.CENTER);  
    lblJumlah.setFont(new Font("Arial", 1, 48));  
    lblJumlah.setForeground(Color.RED);  
    btnHitung = new JButton("Add");  
  
    btnHitung.addActionListener(this);  
  
    lblJumlah.setBounds(10, 20, 100, 50);  
    btnHitung.setBounds(10, 80, 100, 20);  
  
    add(lblJumlah);  
    add(btnHitung);  
  
}
```

# Tombol

```
public void actionPerformed(ActionEvent ae) {  
    jumlah++;  
    lblJumlah.setText(String.valueOf(jumlah));  
}  
  
public static void main(String[] args) {  
    tblKlik klik = new tblKlik();  
}  
}
```