

InLab1202Main.java

```
/* * * * * * * * * * * * * * *
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 * InLab for 12/02/13
 * * * * * * * * * * * * */
package cosc.emich.edu;

import java.awt.*;
import java.awt.event.ActionEvent;

import javax.swing.*;

public class InLab1202Main extends JFrame {

/**
 *
 */
private static final long serialVersionUID = 1L;
public static final int WIDTH = 800;
public static final int HEIGHT = 600;
public static final int FILL_WIDTH = 300;
public static final int FILL_HEIGHT = 100;
public static final int CIRCLE_SIZE = 10;
public static final int PAUSE = 100;

private static JPanel firstPanel = new JPanel();
private static JPanel secondPanel = new JPanel();

private static int toFlip = 0;
private static int toFlip2 = 0;

private static boolean running = true;

public static class Thread100ms extends Thread {
public void run() {
while (running) {
System.out.println("100ms tick");

if (toFlip == 1) {
firstPanel.setBackground(Color.black);
toFlip = 0;
} else {
```

InLab1202Main.java

```
firstPanel.setBackground(Color.white);
toFlip = 1;
}

try {
    Thread.sleep(100);
}
catch (InterruptedException e) {
    System.out.println("Un expected interrupt");
    System.exit(0);
}
}
}
}

public static class Thread1000ms extends Thread {
    public void run() {
        while (running) {
            System.out.println("100ms tick");

            if (toFlip2 == 1) {
                secondPanel.setBackground(Color.black);
                toFlip2 = 0;
            } else {
                secondPanel.setBackground(Color.white);
                toFlip2 = 1;
            }

            try {
                Thread.sleep(1000);
            }
            catch (InterruptedException e) {
                System.out.println("Un expected interrupt");
                System.exit(0);
            }
        }
    }
}

public InLab1202Main() {
    setSize(WIDTH, HEIGHT);
    setTitle("InLab1202 - Zane Wonsey");
}
```

InLab1202Main.java

```
setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
setLayout(new BorderLayout());
firstPanel.setLayout(new FlowLayout());
firstPanel.setBackground(Color.black);
firstPanel.setSize(FILL_HEIGHT / 2, FILL_WIDTH);

add(firstPanel, "South");

secondPanel.setLayout(new FlowLayout());
secondPanel.setBackground(Color.black);

add(secondPanel, "North");
}

public void run () {
Graphics g = firstPanel.getGraphics();

}

public void doNothing (int milli) {
try {
Thread.sleep(milli);
}
catch(InterruptedException e) {
System.out.println("Un expected interrupt");
System.exit(0);
}
}

public static void main(String[] args) {
InLab1202Main main = new InLab1202Main();
main.setVisible(true);
new Thread100ms().start();
new Thread1000ms().start();

}

}
```