

# About swing Timer and synchronized

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- 

Hello,

I would like your comment about synchronized and SwingUtilities.invokeLater in this example with javax.swing.Timer:

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

public class MyTimer{

private Timer timer;

public MyTimer(){
initTimer();
}

public void startTimer(){
timer.start();
}

public static void main(String[] args) {
MyTimer myTimer = new MyTimer();
myTimer.startTimer();
JOptionPane.showMessageDialog( null, "Wait...", "MyTimer" ,
JOptionPane.WARNING_MESSAGE);
}

private void initTimer(){
timer = new Timer( 5000, new ActionListener()
{
public void actionPerformed((ActionEvent e)
{
doAction();
}
}));
}
}
```

## About swing Timer and synchronized

```
private void doAction(){
System.out.println("Hello!");
}
}

////////////////////////////////////
/*
* Second
*/
.....

public static void main(String[] args) {
MyTimer myTimer = new MyTimer();
myTimer.startTimer();
JOptionPane.showMessageDialog( null, "Wait...", "MyTimer" ,
JOptionPane.WARNING_MESSAGE);
}
.....
private synchronized void doAction(){
System.out.println("Hello!");
}

////////////////////////////////////
/*
* Third
*/
.....

public static void main(String[] args) {
MyTimer myTimer = new MyTimer();
myTimer.startTimer();
SwingUtilities.invokeLater(new Runnable() {
public void run() {
JOptionPane.showMessageDialog( null, "Wait...", "MyTimer" ,
JOptionPane.WARNING_MESSAGE);
}
});
}

}

.....

private void doAction(){
System.out.println("Hello!");
}

////////////////////////////////////
/*
* Fourth
*/
```

## About swing Timer and synchronized

.....

```
public static void main(String[] args) {  
    MyTimer myTimer = new MyTimer();  
    myTimer.startTimer();  
    SwingUtilities.invokeLater(new Runnable() {  
        public void run() {  
            JOptionPane.showMessageDialog( null, "Wait...", "MyTimer" ,  
            JOptionPane.WARNING_MESSAGE);  
        }  
    });  
  
}
```

.....

```
private synchronized void doAction(){  
    System.out.println("Hello!");  
}
```

Thanks,  
Paolo

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