Lab 11 โปรแกรมแบบเธรด

```
MyClock.java \(\times\) MyFrame.java
                                  MvClock1.java
                                                   ☑ MyFrame1.java
    1⊕ import java.util.Calendar;
    4
  5 public class MyClock extends JLabel implements Runnable {
    7⊝
           public static void main(String[] args) {
    8
    9
   10
           }
   11
  12⊖
           @Override
  △13
           public void run() {
               while (true) {
   14
   15
                   Calendar d = Calendar.getInstance();
   16
                   int sec = d.get(Calendar.SECOND);
   17
                   int min = d.get(Calendar.MINUTE);
   18
                   int hour = d.get(Calendar.HOUR_OF_DAY);
                   setText(hour+":"+min+":"+sec);
   19
   20
                   try {
   21
                       Thread.sleep(1000);
   22
                   } catch (InterruptedException e) {
   23
                       e.printStackTrace();
   24
   25
   26
           }
   27
   28 }

☑ MyFrame.java 
☒ 
ℳ MyClock1.java

                                               MyFrame1.java
MyClock.java
 1⊕ import java.awt.BorderLayout;
 4
  5 public class MyFrame {
  6@ public static void main(String[] args) {
        JFrame tf = new JFrame();
 8
        MyClock clock = new MyClock();
 9
        Thread t = new Thread(clock);
        t.start();
 10
        tf.add(clock, BorderLayout.CENTER);
 11
        tf.setSize(500, 150);
 12
 13
        tf.setVisible(true);
 14
        }
```

15 }

```
MyClock.java

☑ MyFrame.java

    MyClock1.java 
    □ MyFrame1.java

🛂 10 import java.util.Calendar; 🗍
  4
public class MyClock1 extends JLabel implements Runnable {
  6
  7⊜
         public static void main(String[] args) {
  9
 10
 11
         @Override
 12⊖
△13
         public void run() {
 14
             int hour =2;
 15
             int min = 0;
 16
             int sec = 0;
 17
             while (true) {
                 if (sec == 0) {
 18
 19
                      sec = 59;
 20
                      if(min == 0) {
 21
                          min = 59;
 22
                          if(hour == 0)break;
 23
                          else {
 24
                              hour--;
 25
 26
                      }else {
 27
                          min--;
 28
 29
 30
                      }else {
 31
                          sec--;
 32
 33
                 setText(hour+":"+min+":"+sec);
 34
                 try {
 35
                      Thread.sleep(1000);
 36
                 } catch (InterruptedException e) {
 37
                      e.printStackTrace();
 38
 39
                 }
 40
 41
 42 }
```