Compte rendu de l'exercice 1 et 2 en Programmation Objet Avancée

1 / code:

```
Main.java  Thread1.java × Thread2.java
                                        Horlo
  1 package dev.tp1;¤¶
  2 49
  3 public·class·Thread1·extends·Thread{¤9
  4 char - C1, C2; ¤၅
  5 public · Thread1 (char · C11, char · C12) · {¤¶
       this.C1=C11;¤9
       this.C2=C12;¤9
  8 ¤¶
  9 119
10 Mg
△11 public void run() {¤¶
        for(char i=C1;i<=C2;i++) {
 13 » » System.out.println(i);¤¶
        }¤¶
14 »
 15 }¤¶
 16 ¤¶
 17 ]¤9
 18
```

```
☑ Thread2.java
                                       Horloge.java
■ Main.java × ■ Thread1.java
                                                      Af
 1 package dev.tp1;¤¶
 3 public class Main { X 9
 4 ¤9
       public · static · void · main(String[] · args) · { #9
 50 »
          ¤9
           Thread1 th1=new Thread1('r','z');¤9
           Thread1 th2=new Thread1('A','Q'); #9
          th1.start();¤¶
      » th2.start();¤¶
10 »
11 »
           Thread th3=new Thread(new Thread2()); #9
12 »
           th3.start();¤9
13 » » 🖫
14 ¤9
15 »
       }¤¶
16 ¤J
17 ]¤9
18
```

Exécution:

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Console ×

Console ×
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```

On remarque que les résultats des 3 threads ont été affiché aléatoirement.

2/ code:

```
☑ Thread1.java
                                         Thread2.java  Horloge.java
                                                                                     Afficheur.java
*Print.java × II HorlogeGraphique.java
  amport java.util.concurrent.TimeUnit;¤¶
3 import javax.swing.text.JTextComponent;¤¶
4 ¤¶
a 6 class Print extends JTextComponent implements Runnable [#9]
7 ... private int h; #9
8 ... private int m; #9
9 ... private int s; #9
        private HorlogeGraphique hgr;¤¶
       ····String seconds, minutes, hours; [4]
     ....this.h=h;¤¶
                ···this.hgr=hgr;¤¶
          ··public·int·getS(){以
                 ··return·s;¤9
  21
                ···return·m;¤آ
  24
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       ۰۰۰۰public·int·getH(){¤ا
۰۰۰۰۰return·h;¤ا
         ···public·void·setS(int·s){¤¶
         ···public·void·setM(int·m){¤¶
·····this.m=m;¤¶
         ...public·void·setH(int·h){¤¶
.....this.h=h;¤¶
 ···public-String-toString()-{¤¶
·····rpublic-String-toString()-{¤¶
·····return-"MyThread{"-+-"hour="-+-this.h-+-",-min="-+-this.m-+-",-sec="-+-this.s-+-'}';¤¶
 41
42
43 ¤¶
44
45•
        46
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51
                        ·}·catch·(InterruptedException·ex)·{¤¶
                      ...setS(s+1);¤¶
...if(getS()==60){¤¶
....setM(m+1);¤¶
....setS(0);¤¶
                       ....sets(\),
....
}¤¶
.if(getM()==60){¤¶
.....setH(this.h+1);¤¶
.....setM(0);¤¶
                      ....setM(0); #9
--}#9
--if(getH()==24)-setH(0); #9
--seconds:=-(getS()-<-10-?-"0"-:-"")-+-String.valueOf(getS()); #9
--minutes:=-(getM()-<-10-?-"0"-:-"")-+-String.valueOf(getM()); #9
--hours:=-(getH()-<-10-?-"0"-:-"")-+-String.valueOf(getH()); #9
--hgr.setText(hours-+-":"-+-minutes-+-":"-+-seconds); #9
```

```
Description of the addinate of
```

Exécution:

```
lass·HorlogeGraphique·extends·JLabel{¤¶
ic·HorlogeGraphique(){¤¶
this.setHorizontalAlignment(JLabel.CENTER); #9
Font fr= this.getFo
                                       X
this.setFont(ff);¤
this.setText("00:00
Thread Horlog = ne
                                                 Horloge");¤¶
Horlog.start();
                          00:00:22
JFrame · frame · = · new
JLabel·J_Label·=·n
frame.setSize(245,
frame.setContentPar
frame.setDefaultClo
                                                 E);¤¶
frame.setVisible(t
frame.add(J_Label,
```