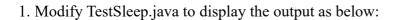
# STIWK3014 REAL TIME PROGRAMMING Tutorial / Exercise 4 : Modify ThreadSleep.java

## Instruction



ONE
TWO
THREE
XXXXXXXXX
ONE
TWO
THREE
XXXXXXXXX
ONE
TWO
THREE
XXXXXXXXX

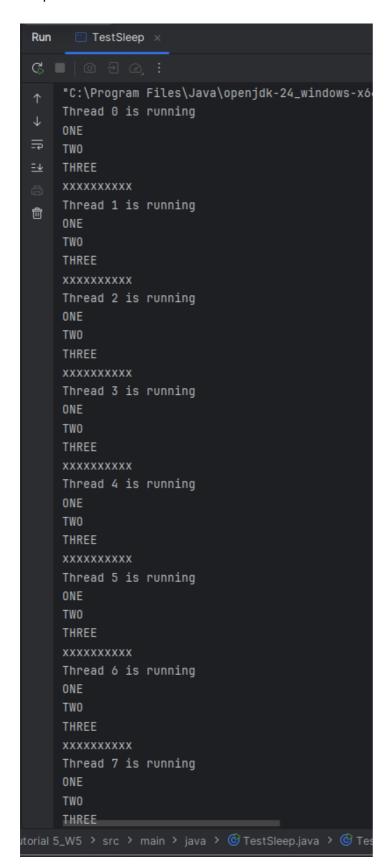
- 2. Add to the thread number to 20 threads to print the output as shown in above.
- 3. Add the function to print the output according to the thread number.

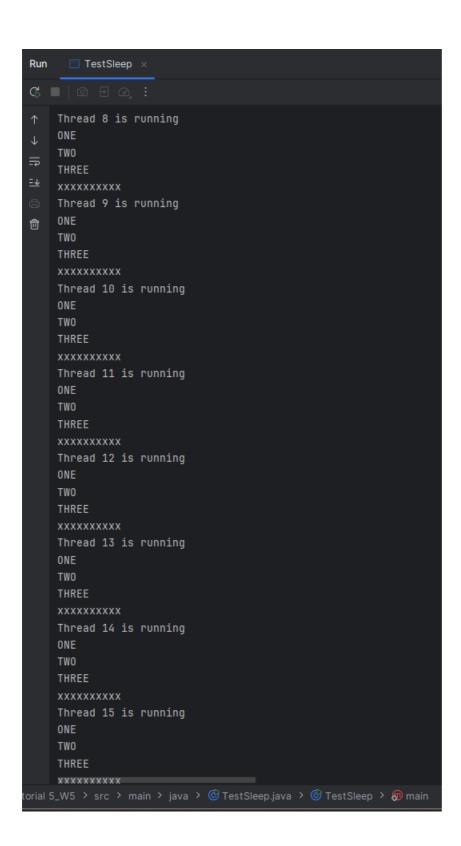
#### Coding

```
public class TestSleep {
  public static void main(String[] args) {
    for (int i = 0; i < 20; i++) {
      Thread t = new MyThread(i);
      t.start();
      try{
         Thread.sleep(100);
      }
      catch(InterruptedException e){
        e.printStackTrace();
      }
    }
  }
}
class MyThread extends Thread {
  int threadNumber;
  public MyThread(int threadNumber) {
    this.threadNumber = threadNumber;
  }
  public void run() {
    System.out.println("Thread" + threadNumber + " is running");
    System.out.println("ONE");
    System.out.println("TWO");
    System.out.println("THREE");
    System.out.println("xxxxxxxxxx");
  }
}
```

```
m pom.xml (Tutorial5_W5)
                           public class TestSleep {
           public static void main(String[] args) {
                for (int \underline{i} = 0; \underline{i} < 20; \underline{i} + +) {
                    Thread t = new MyThread(\underline{i});
                    t.start();
                    try{
                        Thread.sleep( millis: 100);
                    catch(InterruptedException e){
                        e.printStackTrace();
       class MyThread extends Thread { 1usage
           public MyThread(int threadNumber) { 1usage
                this.threadNumber = threadNumber;
           public void run() {
                System.out.println("Thread " + threadNumber + " is running");
                System.out.println("ONE");
                System.out.println("TW0");
                System.out.println("THREE");
                System.out.println("xxxxxxxxxxx");
```

## Output





```
Thread 16 is running
ONE
TWO
THREE
Thread 17 is running
ONE
TWO
THREE
XXXXXXXXX
Thread 18 is running
ONE
TWO
THREE
Thread 19 is running
ONE
TWO
THREE
Process finished with exit code \theta
```

## **Plagiarism**

No mark will be given for plagiarism activities.

#### **Submission:**

Platform: 1. Online Learning - Sample Coding & Output in PdF form

2. GitHub – Upload the file

Date: 23 April 2025 (Wednesday, before 12.30 noon)