Nama   : Muh. Nur Afrizal

NIM   : 222212738

Kelas / No   : 2KS1 / 25

MODUL 12 PEMROGRAMAN BERORIENTASI OBJEK
CONCURRENCY (THREADING)

A. SOURCE CODE

Seluruh source code pada praktikum ini tersedia di:

https://github.com/afrzl/Pemrograman-Berorientasi-
Objek/tree/main/Week%2012/Praktikum/Modul%2012

1. LatihanThread.java

```java
public class LatihanThread {
    public static void main(String[] args) {
        Thread t = new Thread(new Runnable() {
            @Override
            public void run() {
                for (int i = 0; i < 10; i++) {
                    System.out.println("Thread t: " + i);
                }
            }
        });
        t.start();

        Thread t2 = new Thread(new ThreadA());
        t2.start();

        Thread t3 = new ThreadB();
        t3.start();

        for (int i = 0; i < 10; i++) {
            System.out.println("Main Thread:" + i);
        }



    }
}
```

2. ThreadA.java

```java
public class ThreadA implements Runnable {
    @Override
    public void run() {
        for (int i = 0; i < 10; i++) {
            System.out.println("Thread A: " + i);
        }
    }
}
```

3. ThreadB.java

```java
public class ThreadB extends Thread {
    @Override
    public void run() {
        for (int i = 0; i < 10; i++) {
            System.out.println("Thread B: " + i);
        }
```

```
        }
    }
```

B. OUTPUT

```
"C:\Program Files\Java\jdk-
21\bin\java.exe" "-
javaagent:C:\Program
Files\JetBrains\IntelliJ IDEA
Community Edition
2024.1.1\lib\idea_rt.jar=63353:C:\P
rogram Files\JetBrains\IntelliJ
IDEA Community Edition
2024.1.1\bin" -Dfile.encoding=UTF-8
-Dsun.stdout.encoding=UTF-8 -
Dsun.stderr.encoding=UTF-8 -
classpath "G:\My Drive\00. Tingkat
2\Pemrograman Berorientasi
Objek\Week 12\Praktikum\Modul
12\out\production\Modul 12"
LatihanThread
Thread A: 0
Thread A: 1
Thread A: 2
Thread t: 0
Thread t: 1
Thread t: 2
Thread t: 3
Thread t: 4
Thread t: 5
Thread t: 6
Thread B: 0
Main Thread:0
Thread A: 3
Thread t: 7
Thread t: 8
Thread t: 9
Thread B: 1
Main Thread:1
Main Thread:2
Main Thread:3
Main Thread:4
Main Thread:5
Thread A: 4
Thread B: 2
```

```
Thread B: 3
Main Thread:6
Main Thread:7
Main Thread:8
Main Thread:9
Thread A: 5
Thread A: 6
Thread A: 7
Thread A: 8
Thread A: 9
Thread B: 4
Thread B: 5
Thread B: 6
Thread B: 7
Thread B: 8
Thread B: 9


Process finished with exit code 0
```