MULTITHREADING

Percobaan 1

1. Buatlah kelas MasterThread dengan kode program seperti di bawah ini!

```java
public class MasterThread extends Thread {
   private Thread t;
   private String threadName;

   MasterThread( String name) {
      threadName = name;
      System.out.println("Creating " + threadName );
   }

   public void run() {
      System.out.println("Running " + threadName );
      try {
         for(int i = 10; i > 0; i--) {
            System.out.println("Thread: " + threadName + ", " + i);
            Thread.sleep(50);
         }
      } catch (InterruptedException e) {
         System.err.println("Thread " + threadName + " interrupted.");
      }
      System.out.println("Thread " + threadName + " exiting.");
   }

   public void start () {
      System.out.println("Starting " + threadName );
      if (t == null) {
         t = new Thread (this, threadName);
         t.start ();
      }
   }
}
```

2. Buatlah kelas MainThread dengan kode program seperti di bawah ini!

```java
public class MainThread {
   public static void main(String args[]) {
      MasterThread T1 = new MasterThread( "Thread-1");
      T1.start();

      MasterThread T2 = new MasterThread( "Thread-2");
      T2.start();
   }
}
```

3. Jalankan **berulang kali**, amati, dan analisa hasilnya!

Tugas 1

1. Apa yang dimaksud dengan *Multithreading*?

2. Buatlah aplikasi *Multhreading* dengan model *nested classes*!