```
package lesson11.lecture.threadssingleton;
                                                package lesson11.lecture.threadssingleton;
public class Singleton {
                                                public class Singleton2 {
      private static Singleton instance;
                                                       private static Singleton2 instance;
      public static int counter = 0;
                                                       public static int counter = 0;
      private Singleton() {
                                                       private Singleton2() {
             incrementCounter();
                                                              incrementCounter();
      public static Singleton getInstance()
                                                       public static Singleton2 getInstance() {
                                                              if(instance == null) {
{
             if(instance == null) {
                                                                     instance = new Singleton2();
                    instance = new
Singleton();
                                                              return instance;
             return instance;
                                                       }
                                                       /* Guarantees proper count of instances */
      private static void incrementCounter()
                                                       synchronized private static void
                                                incrementCounter() {
{
                                                              counter++;
             counter++;
                                                       }
      }
}
                                                }
package lesson11.lecture.threadssingleton;
                                                package lesson11.lecture.threadssingleton;
                                                public class SynchronizedSingleton {
public class SingleThreadedTest2 {
                                                       private static SynchronizedSingleton
      public static void main(String[] args)
                                                instance;
                                                       public static int counter = 0;
{
             for(int i = 0; i < 1; ++i) {</pre>
                                                       private SynchronizedSingleton() {
                    createAndStartThread();
                                                              incrementCounter();
                    System.out.println("Num
instances: " + Singleton.counter);
                                                       synchronized public static
                                                SynchronizedSingleton getInstance() {
                                                              if(instance == null) {
                                                                     <mark>instance</mark> = new
      public static void
                                                SynchronizedSingleton();
createAndStartThread() {
             Runnable r = () \rightarrow \{
                                                              return instance;
                    for(int i = 0; i < 1000;
                                                       private static void incrementCounter() {
++i) {
                                                              counter++;
      Singleton.getInstance();
                                                       }
                                                }
             };
             new Thread(r).start();
             try {
                    Thread.sleep(10);
             } catch(InterruptedException e)
{}
      }
}
```