# Performance Testing using Visual VM

# **Hprof**

File Name: java.hprof.txt

CPU SAMPLES END

#### Command

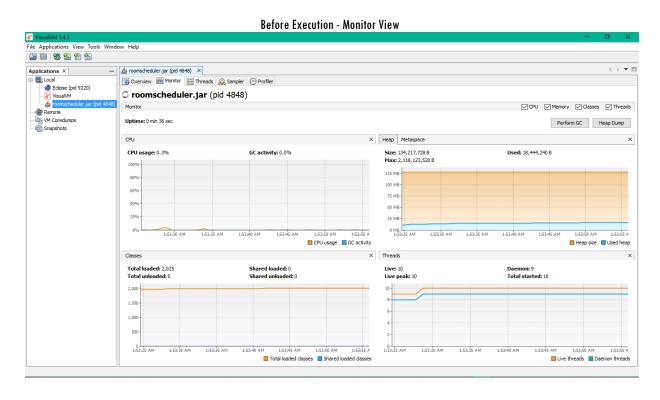
E:\Marist\Semester2\SoftwareVerificationAndMaintenance\roomScheduler\target>java - agentlib:hprof=cpu=samples, interval=20,depth=3 -jar RoomScheduler-0.0.1-SNAPSHOT.jar Dumping CPU usage by sampling running threads ... done.

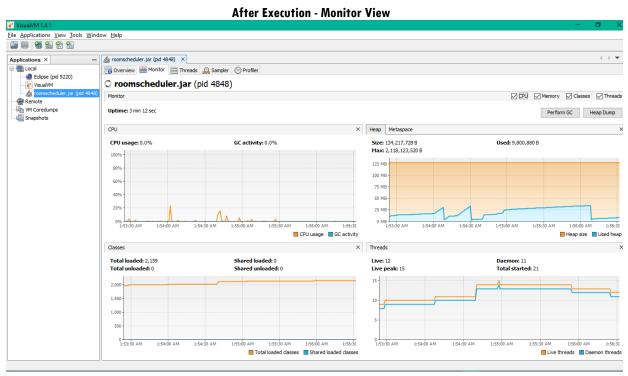
#### Inside the java.hprof.txt

```
THREAD START (obj=50000198, id = 200001, name="main", group="main")
THREAD END (id = 200001)
TRACE 300070:
      java.io.WinNTFileSystem.canonicalizeWithPrefix0(<Unknown Source>:Unknown line)
      java.io.WinNTFileSystem.canonicalizeWithPrefix(<Unknown Source>:Unknown line)
      java.io.WinNTFileSystem.canonicalize(<Unknown Source>:Unknown line)
      java.io.File.getCanonicalPath(<Unknown Source>:Unknown line)
TRACE 300026:
      java.io.FileOutputStream.closeO(<Unknown Source>:Unknown line)
      java.io.FileOutputStream.access$000(<Unknown Source>:Unknown line)
      java.io.FileOutputStream$1.close(<Unknown Source>:Unknown line)
      java.io.FileDescriptor.closeAll(<Unknown Source>:Unknown line)
TRACE 300050:
      sun.misc.Perf.createLong(<Unknown Source>:Unknown line)
      sun.misc.PerfCounter.<init>(<Unknown Source>:Unknown line)
      sun.misc.PerfCounter.newPerfCounter(<Unknown Source>:Unknown line)
      sun.misc.PerfCounter$CoreCounters.<clinit>(<Unknown Source>:Unknown line)
CPU SAMPLES BEGIN (total = 3) Sat May 12 01:32:08 2018
rank self accum count trace method
   1 33.33% 33.33%
                        1 300070 java.io.WinNTFileSystem.canonicalizeWithPrefix0
   2 33.33% 66.67%
                        1 300026 java.io.FileOutputStream.close0
   3 33.33% 100.00% 1 300050 sun.misc.Perf.createLong
```

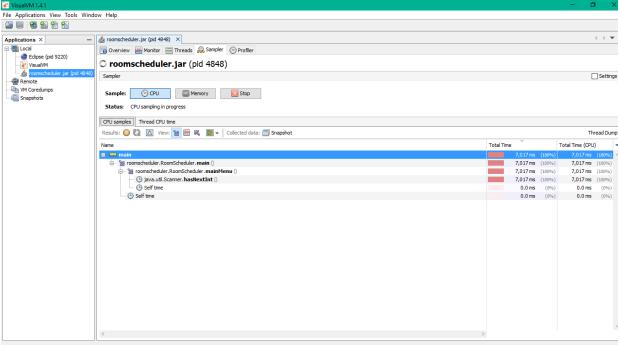
## Visual VM results

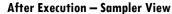
Before & After execution views in order fashion for Importing and listing rooms multiple times

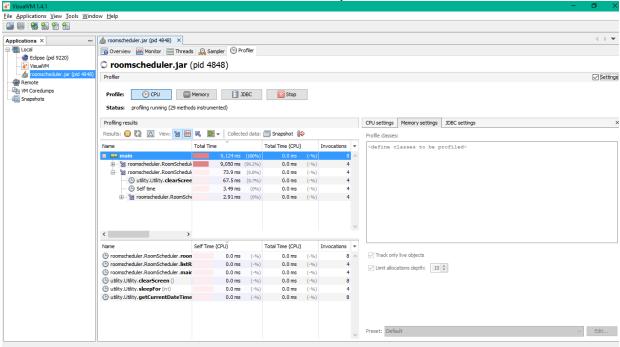




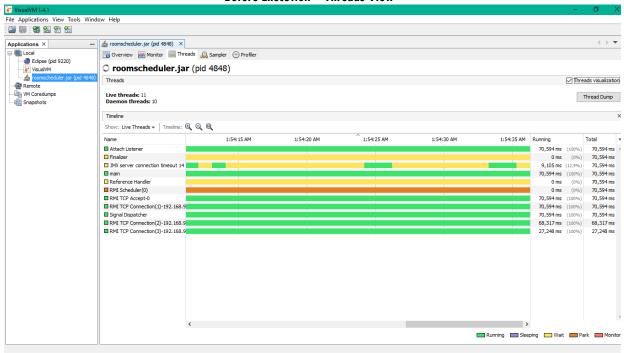








### Before Execution — Threads View



## After Execution — Threads View

