

## Lab Session 05

### Home exercises

1. **[5p]** Go through the official [Oracle Java concurrency](#) tutorials.
  - You can stop at High Level Concurrency objects.
2. **[5p]** Write and run a multi-threaded helloWorld program in Java.
  - Use four threads.

### Lab Exercises

1. **[20p]** Extend the program you made at home and make every thread print its id.
  - Ids should start at 0 and be incremental.
2. **[30p]** Solve the bugs in the support examples.
  - You should pay attention to the hints.
3. **[20p]** Parallelize the doubling of all elements of a vector.
4. **[20p]** Parallelize the Floyd-Warshall algorithm.