

Assignment 3

Send your answers to pitoura@cs.uoi.gr no later than Monday 31/3

1. (In groups of 5!)

Extend your voting application to support threads, use:

- POSIX pthreads (for the RPC implementation)
- Java Threads (for the Java RMI implementation)

Provide at least two alternative implementations of a multi-threaded server. Assume that the votes are stored in a file at the server-side. Is this implementation better (in terms of performance) than the single-threaded one?

Prepare a short presentation of the model and your application to be presented in class. Send a very short manual of POSIX Threads or Java Threads respectively, the documentation and source code of your application and the slides of your presentation.

2. (In groups of 2) Problems from the Tanenbaum and van Steen book, chapter 3: 9, 12 and 17.