Homework 1

Before anything else please read carefully the instructions on the Web pages in http://stellar.mit.edu/S/course/12/ia10/12.950/. Especially follow the instructions for using the Web form for the EC2 cluster or the VMware image.

- 1. Preliminaries
 - Familiarize yourselves with the OpenMP compilation and runtime environment:
 - Write, compile and run the "Hello World" program described in class for various processor counts.
 - Try working from within the SunStudio IDE; if you feel so inclined (you should :-) try the command line as well.
 - Download the tar archive simple-examples.tar.gz from the Stellar website (alternatively from http://web.mit.edu/13.715/www/simple-examples.tar.gz), compile and run the examples and review the relevant class notes.
- 2. Studying code examples
 - Download the tar archive OmpSCR_v2.0.tar.gz from the Stellar website (alternatively from http://sourceforge.net/projects/ompscr/)
 - Inspect the applications, compile and run them. Especially look at the different versions of c_Jacobi and f_Jacoby, cpp_sortOpenMP and f_CellularAutomata.

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