CIS 450 Operating Systems
Assignment 1
Due: Feb. 17, 2004

Objective

To learn multithread programming.

Assignment

Provide two programming examples of multithreading, one improves and one does not improve the performance over a single threaded solution.

Requirements

1. Document the examples so that I know what they do without having to read the code.
2. The output must be readable and prove your claim.
3. Program must be executable on the Sun stations provided by the CECS ECS.
4. The output must show the run time.
5. Keep the examples simple and to the point.

What To Turn In

1. A hard copy of the source code and the output.
2. The document stating what each example does.
3. An electronic copy of the source code on http://vlt.engin.umd.umich.edu/
4. If you use header files of your own and/or have multiple files, copy all files together to form ONE source file to upload to VLT. Do not archive multiple files.

Grading Criteria

1. Program runs, examples are valid: 5 points
2. Program runs, examples are invalid: 3 points.
3. Program doesn't run, examples are valid: 2 points.
4. Program doesn't run, examples are invalid: 1 point.
5. Nothing turned in: 0 point.
6. Late policy applies.