

CMSI 284
COMPUTER SYSTEMS ORGANIZATION /
SYSTEMS PROGRAMMING
Spring 2010

Assignment 0218

This assignment provides some “warm-up” forays into C programming.

Not for Submission

Review the “Introduction to C” notes from Dr. Toal’s web site as needed. A direct link can be found on the course web site.

By February 16

1. Set up your “C development rig.” On Windows, you can go with either MinGW or Cygwin; on Mac OS X, you will need to install Apple’s Xcode Tools. The Keck lab Linux workstations and most Linux distributions come with *gcc* “out of the box.”
2. Work on at least one or two of the exercises so that, if needed, you can ask questions during Tuesday’s class.

For Submission

Perform the first four exercises (bordered yellow-greenish boxes) from Dr. Toal’s “Introduction to C” notes. These are, in summary:

- Command line argument printer (*cl-arguments.c*)
- Simple calculator (*calculator.c*)
- Windows, Mac, Unix text file size comparison (*file-size-comparison.txt*)
- Capitalizer cleanup (*buffered-capitalizer.c*)

Commit your work to CVS under the directory */homework/cmsi284/c-warm-up*, using the given file names. The first, second, and fourth files are C source code, while the third file is a plain text file describing what you did and what you noticed.

For the third exercise, you may team up with a classmate if you don’t have easy access to one of the platforms involved. However, you must write and submit your comparison report individually. If you do team up, state the person with whom you did the work in your text file report.