CMSI 585
PROGRAMMING LANGUAGES (GRADUATE LEVEL)
Fall 2006

Assignment 0905

Assignment 0905 is primarily a setup assignment, meant to make sure you're ready to go with the software that you'll need for the rest of the course. The files and programs you create in this assignment will also be needed in the next one, so hold on to them!

Not for Submission

1. Read Chapter 1 in Scott.

2. Get LaTeX up and running on whatever system(s) you will use to work on your paper.

3. If you haven't done so already, acquire a Keck lab user account.

4. Read Ray Toal's "Introduction to…" Web pages, particularly for C, C++, Java, JavaScript, ML, and Perl, available from this URL: *http://www.technocage.com/~ray/classes/pl*

5. Download, install, and set up the main programming languages that we will use in this course: C, C++, Java, JavaScript, Perl, and ML.

6. Choose an algorithm that is similar in complexity (er, simplicity?) to GCD (e.g., least common multiple, manual modulo, etc.) and implement it in C, C++, Java, JavaScript, Perl, and ML. Don't get too fancy — the point of this assignment is to get hands-on with the languages, and not the algorithm per se. Consider this to be a "learning by example" exercise, with some practice looking things up on the Web (or asking me) if you get stuck.

   This work is not to be submitted with this assignment, but it will need to be submitted in the next one, so don't throw away the programs that you write.

For Submission

Type, customize, and print both the source and the final (PostScript or PDF) versions the sample LaTeX source files that were distributed in class. Submit these items in hardcopy (five in all: 2 *.tex* files, 1 *.bib* file, and 2 documents).

- Your customized prospectus file should be called *your-lastname-585-prospectus.tex*.

- Your customized paper files should be called *your-lastname-585-paper.tex* and *your-lastname-585-paper.bib*, respectively.

Don't erase these files! You'll do something more with them in the next assignment.