CS251 Programming Languages **Handout # 5**
Prof. Lyn Turbak **January 29, 2002**
Wellesley College

Problem Set 0
Due: Friday, February 2

Reading: MIT Scheme (Handout #4); Linux and Emacs (Handout #6);

It is important to become familiar with the Linux workstations, Emacs, and MIT Scheme as soon as possible — you will need to be able to use all of these on Problem Set 1!

Towards this end, you should carefully read the Handouts mentioned above and browse the additional documentation mentioned therein.

To motivate you, you should complete the following tasks by Friday, February 2:

- Create (in Emacs) a text file `fact.scm` that contains the definition of the recursive factorial function `fact` discussed in class.
- Run Scheme under Emacs (as described in (Handout #6), and load your factorial function into it via `(load "fact")`. Use your factorial function to calculate `(fact 1000)`.
- Print out (1) the file `fact.scm` and (2) the Emacs `*scheme*` buffer containing the result of the calculation of `(fact 1000)`. Submit these two printouts in class on Friday.

If you have trouble, don't hesitate to as Lyn or one of your classmates for help.

Note that this assignment will *not* be graded.