1 The first week of class

This class focuses on programming. Given that, it is critical that you get to a point where you can program quickly. In order to start writing programs, we need to ensure that:

1. You understand the rationale behind the course
2. You are comfortable using the Vim editor in a Unix-based environment
3. You know where to seek help using our course discussion board

The following sections address each of these issues.

2 Rationale

Please read the rationale behind CS100.

3 Editors

An editor is a word processor for programmers and is used by programmers to write and modify source code. Source code refers to the words and punctuation that computer programs start out as. With regards to editing, a programmer’s primary concerns are entering source code quickly and modifying source code even more quickly. There are two great and timeless editors geared especially for proficient programmers: emacs and vi (nowadays vim).

In this class, you will learn vim (although you can also choose to learn emacs if you wish).

To run the vim tutorial, type the command:

```
vimtutor
```

at the system prompt. To exit a vim session from command mode, type ZZ To save your changes and quit and :q or :q! to quit without saving changes.
You will also learn the Linux operating system. Linux is an open-source version of the UNIX operating system. UNIX was designed by programmers for programmers.

Here are some web tutorials:

- linux cheat sheet
- quick Unix/Linux tutorial
- more Unix/Linux info
- vim cheat sheet
- quick vim tutorial
- emacs reference card
- quick emacs tutorial