

# CSCI 132 Practical Unix Programming

## Homework 4

### Due 10/31/08

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#### **PART 1**

Do exercises 2 and 3 of chapter 4; 1, 2, 3, and 5 of chapter 5; 1, 3, and 5 of chapter 6; and 1, 4, 6, and 7 of chapter 7.

#### **PART 2**

The Unix command `less` is a newer program that offers the same functionality as `more` but allows you to move back in a file. Use `man less` to learn about the `less` command and its options, and how to use it. Report your finding, especially on how to move back in a file.

#### **PART 3**

(a) The following command could be simplified, why and how?

```
cat filename | more
```

(b) Use pipes and a combination of commands to output the number of files in the given directory.

(c) Type the following `sed` command:

```
sed 's/\(.* \)*//'
```

Then repeatedly input a sentence and observe the output. What does this command do to your input? To stop it hit `Ctrl-C`.

(d) Try the command `cal`, what does it produce?

(e) Using pipes and a combination of `cal`, `tail`, `head`, and `sed`, output the last day of the current month (it should be either 28, 29, 30, or 31). Change your `.cshrc` to alias this entire command and give it a nice name; for instance, call it `lastday`.