

Homework #5 (10 points) and an Announcement

Due, Friday, March 9

In this assignment you recreate the open book section of the midterm.

(1). Print out the C `getwd` subroutine containing in the file

`/usr/src/lib/libc/gen/getwd.c`

Explain the reasons why the various `while`'s and `if`'s are needed.

(2). Make of list of all system and library calls made by `getwd` that are likely to cause a disk I/O access. Estimate the number of disk I/O accesses each call will incur.

(3). Explain why the test

`if (cdev == d.st_dev)`

improves the running time of `getwd`.

Rules of engagement

You may work in pairs, provided at most one of pair scored 10 or more on the open book part of the first midterm.

One Time Meeting Place Change

At Monday, March 5, Comp 190 will meet in Sitterson ???.