Administrivia

- Homework 4 graded and grades mailed. Midsemester grades are due shortly after spring break. My plan is to base them on all homeworks turned in so far, plus scores for attendance and the video quizzes, as mentioned in recent mail-to-all.

- Reminder: Homework 6 due week after break.

Slide 1

Minute Essay From Previous Lecture

- Most people are using the online tutorial and did not buy a copy of the textbook. But a few did buy, some of them because they prefer a physical book. "Hm!"?

  A few people mention finding PDF copies free on the Web. Almost surely pirated, so if you use one of these you're on shaky ground, legally and ethically. "Just sayin'"?

  Just FYI: I do ask that you both watch the video lectures and read (tutorial or textbook).

Slide 2

Slide 3

Recap of Video Lectures (2/19)

- Files in C.

- Nothing very deep here, though how C deals with errors is different from how more-recent languages do.

- A few people, in their video-quiz responses, speculated that `fopen()` might not open a file in "the wrong format". I'm pretty sure `fopen()` doesn't care!

- As with other languages I can think of, opening a file for output in C either creates it or overwrites it.

- One thing to maybe note is that C rather encourages reading a character at a time rather than a line at a time as many other languages do.

- Questions?

Slide 4

Recap of Video Lectures (2/26)

- Representing integer data (in C, types `int`, `long`, etc.). Review for most of you? but I hope explanation of some of the tricks was helpful?

- Representing real-number data (in C, types `float`, `double`, etc.). Also review for many?

  A key point: Floating-point numbers not somehow inherently imprecise — some values *can* be represented exactly — but limitations can result in imprecision.

- Representing text data (in C, `char`).

Practice Problem

- In UNIXworld there's a very old utility `cat` that just concatenates files given as command-line arguments (to standard output), or echoes what you type if no command-line arguments are given. Write a program that does that.

- Work on these, either alone or in pairs. When you have something:

Slide 5

```
chmod go+r pgm.c
cp -p pgm.c /users/bmassint/TEMP1120/yourusername
```

- At end of class we'll look at solutions.

Minute Essay

- Do you compile with just `gcc`, or `gcc -Wall`, or `make`?

- How has the pace/workload of this class been so far? do you feel like it's about right for a one-unit course (which is supposed to represent about three hours of work per week, in and out of class)?

Slide 6

- Best wishes for a good spring break!