Slide 1

Administrivia

- Reminder: Homework 4 due next week.
- Note that I won't be replying much to video-quiz responses it's just too overwhelming though on occasion I will. (My thinking is that for questions with some notion of a right answer, slide after question(s) will have my answer(s), so you should have some idea whether what you said was right.) (By the way: Most people are doing great on subject lines for these things. It really does help me, so thank you!)
- For homeworks, I do try try to comment not only on whether what you sent me was right but also on anything really noteworthy (good or bad). But if the only thing I say about a program is "AOK", this is good! it means as I was grading I was probably thinking "nice competent job; nothing to say here".
- Sample solutions for Homework 1 and 2 posted.

A Few More Words About vim, Etc.

- Most people seem to have learned something from the tutorial. Good! vim is painful to use if you know only the bare minimum but starts to seem reasonable when you know more.
- I have some notes and tips on vim under "Useful links" on the course Web site. (Look at it briefly.)
- In case it's not clear, I advocate learning either vim or emacs but not both, if only so you know a nice lightweight editor that works in a text-only remote session. Which one? several faculty use vim and can help you with questions. Both fine editors though! (This used to be a religious-war topic. !?)

Slide 2



Slide 3



Slide 4



Recap of Video Lectures (Group 03 — week of 2/05)

• Loops in C (while and for).

Most people's answers to quiz question about printing powers of 2 fine. Note that I recommend *not* using pow() to compute integer powers of integers: It converts to/from double, with possibly loss of precision, and may be less efficient.

Slide 6

• Arrays in C.

Why no checking of array indices ... Partly an efficiency measure, but also no way to do it in general without storing length with array.

- A little about "random" numbers, plus a digression about TEX.
- Questions?





Slide 8

Homework 4
Second problem gives many students trouble.
Outline of what you're supposed to do: Generate N "samples" using srand() and rand().
Map each to range from 0 to B - 1, where B is a number of "bins", and count how many fall into each "bin".
Starter program has code to do both mappings, so no need to struggle with that.

Slide 9

Slide 10

Minute Essay What are you doing about readings for the course? i.e., did you buy a copy of the recommended book, or are you relying on the online tutorial? Any questions?