

### Administrivia

- Reminder: Homework 6 due next week.
- Homework 7 posted. Due in two weeks. Uses the material from this week's video lectures. More about it next time. Moderately difficult but I think interesting and educational!

Slide 1

### Minute Essay From Last Lecture

- Most people okay with the pace and workload, though some found it heavy. I think they have a point, but CS courses do tend to have heavy workloads for the number of credit hours.

Slide 2

### Recap of Video Lectures

Slide 3

- Memory allocation in C with `malloc()` and `free()`.

Aside: I'm fanatical about checking that `malloc()` doesn't return `NULL`.

However, at least one platform (Linux) "overcommits" memory —

`malloc()` returns a non-null but system doesn't actually try to obtain resources until first use, at which time it can fail. Okay design in terms of efficient use of resources, but unfortunate consequences for programmers. Sysadmin can change system-wide but I doubt many do.

- Function pointers in C.

How C sort of supports the higher-order functions (ones that use other functions as parameters). Scala library makes extensive use of this!

- Questions?

### Minute Essay

Slide 4

- Questions about this week's video lectures?