Slide 1

Administrivia

- Homework 7 late after this Wednesday.
- Homework 8 nominally due next week; accepted without penalty through last day of class (week after Thanksgiving).
- Homework 9 posted. Nominally due last day of class, but that will almost certainly be extended to sometime during finals week.
- Lots of assignments, and admittedly not easy, but Homeworks 7 and 9 in particular important for practicing with important concepts. If you're going to skip one, I say better Homework 8 than Homework 9.

  And remember — no final.

Slide 2

Recap of Video Lectures

- Sorted linked list of integers in C.
- (Many people, though not all, had seen linked lists in another course, and some had implemented them.)

Slide 3

Homework 9

- Homework 9 asks you to complete an implementation of binary search trees, as discussed (in part!) in this week's video lectures. Not easy, *but* I think very doable. My intent is that you can use my sorted-linked-list code as something of a model, since a lot about the interface is similar (for example, the "print" function).
- Part of the goal of the assignment is to give you more practice working with pointers, which I think is a key take-away for those continuing into Data Abstraction. Something to consider if it seems tempting to just skip the assignment?

Slide 4

Homework 9 — Tips

- Your mission is to fill in the body of library functions for a sorted binary tree data type. File `int-bst.h` tells you what functions are needed. You write them in `int-bst.c`. You don't write *any* user-interface code; part of the assignment is a test program that will test your code fairly thoroughly.
- Another take-away from this assignment is more practice with `make`. So ...

Slide 5

Homework 9 — Tips, Continued

- Don't try compiling anything directly from the command line; instead, put all files in a separate directory, `cd` into the directory, and type `make`.
- Things will go awry at the link step, but you'll get error messages reminding you what functions you need in `int-bst.c`.
- You might start by defining some that do as little as possible, just so you have something that compiles. Then fill them in one at a time.
- Keep in mind that I mean for you to use the sorted linked list sample program as a model.
- Start early, so if you have questions you can ask for help!

Slide 6

Minute Essay

- Questions?
- (Or I plan to use some of the next class to answer questions about the sorted linked list and Homework 9.)