Lecture 18: November 4, 2019

Reading: *C text*, §10

Assignments: Homework #3, due November 8, 2019

1. Greetings and felicitations!
   (a) Homework 1 grades have been posted
       i. Be sure it runs on the CSIF and you use -ansi -pedantic -Wall when you compile
       ii. Also, comments must be /* ... */
       iii. All declarations at the beginning of functions or blocks, not in `for` loops
   (b) Homework 2 is now reopened until Wednesday so you can fix things that you lost points for on homework 1

2. Structures
   (a) User-defined datatype
   (b) As fields: `var.field`, `ptrvar->field`
   (c) Use example of list of numbers (*usort2.c*)
   (d) Do insertion sort (*linked.c*)

3. Parallel arrays and arrays of structures
   (a) Show parallel arrays to sort planets in order of diameter (*planets1.c*)
   (b) Show same program using structures (*planets2.c*)
   (c) `typedef`
   (d) Using `sizeof` to get size of an array