

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