Lecture 8: October 11, 2019

Reading: C text, §3.4–3.5, 6.1–6.5, 12.4

Assignments: Homework #1, due October 11, 2019 (Note extension)

Extra Credit 1: due October 21, 2019

1. Greetings and felicitations!
   
   (a) Ge’s office hour on Monday is cancelled; instead, he will have one on Thursday from 8:00am–10:00am in Room 47 Kemper

   (b) There is an extra credit assignment, which is optional, focusing on Linux

   (c) Extra credit: instead of how I planned to do it, I will now multiply it by 5. So if you get 80% on the extra credit, that raises your final score by 4 points (80% × 4)

   (d) Warning: do not put int i in your for loop – declare it at the top of the function

   (e) Go through scp

2. Pointers and indirection
   
   (a) A pointer is an address

   (b) Declarations

   (c) Address (&), dereference (*) operators

   (d) Indirect references

3. More on functions in C
   
   (a) Parameters: pass (or call) by reference (also called output parameters)

   (b) Example: swap function — exchange values of two variables (swap.c)

   (c) Scope: local variables (scope.c)