Outline for April 11, 2024

Reading: zyBooks text §6.1–6.8
Assignments: Homework #1, due April 18, 2024

1. Functions in C
   (a) Parameters: pass (or call) by value
   (b) Arguments: instantiations of parameters matched in order
   (c) Return values
   (d) Scope: local variables [scope.c]
   (e) Show the program stack and how it relates to functions

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)