Day 17 Highlights

1. Reminders
   1. zyBooks Chapter 6 due today at midnight
   2. Project Three is due Friday at 5pm
2. Quick review of functions
   1. **Signature** – identifies function to the program
      1. Don’t need to list argument names, just the type
   2. **Passing values** to a function
      1. Nomenclature – formal & actual parameter (argument)
      2. Pass by value - evaluate the actual parameters (expressions) and assign the values to the corresponding formal parameters (variables).
   3. **Returning information** from a function
      1. Functions return a single value
      2. Can return lots of stuff via parameters (see shortly)
3. Returning multiple values (integers or doubles)
   1. Example: function to compute min and max
   2. Pass the address of the variable
   3. Syntax in main routine
   4. Syntax in function
4. Dealing with strings (or arrays) as parameters
   1. Passing the string
   2. Declaration of the string in the function, either char str[ ] or char \*str
5. Write a function to reverse a string.
6. Write a function to find min and max of an array of integers
7. Write a function to swap two values (e.g. integers).
8. Write a function to find the partial sums of an array of integers.