

Homework #2

This assignment will require you to write a few short programs rather than one big one. This will help you practice recursion and command line arguments.

- I. Write a program that takes in as many command line arguments as the user wants. This program will concatenate all the Strings passed in into one big String. Print the String out to standard output
- II. Write a program that takes in as many command line arguments as the user wants. The program will compute and print the range of the data passed in. The range is the maximum value – the minimum value. Assume that all the command line arguments can be interpreted as doubles. Your program should find at least one of the maximum and minimum recursively. (see hint at the bottom) Print an error if the user inputs fewer than 2 arguments.
- III. Write a program that will take in exactly 3 command line arguments and will print which of the 3 is the largest, which is the middle, and which is the smallest. Your program will print an error message if the values aren't distinct. Assume that the command line arguments can be interpreted as integers.

Hint for recursive max/min:

One way to define the max or min of an array is as follows:

If my array only has one number, it is the min (or max) because it's the only piece of data (this is my base case)

Otherwise, the min (or max) must be the minimum (or maximum) between the last number in the array and the minimum (or maximum) of the rest of the array.