# CSC 150: Computer Science I

# Assignment 7

Recursion

**Learning Objectives**

* To understand how recursion is used as a problem solving tool
* To learn how to write and trace recursive functions
* To learn how to use recursion to solve problems involving arrays and strings
* To learn how to write a recursive sort function

The version of the selection sort that we studied in Chapters 7 and 9 places the smallest value in the initial array element, the second smallest in the next element, and so on. Implement this version recursively.

Program requirements:

* Beginning .c source code file used and authorship, date, etc. well documented
* Comments describing the statement actions
* Displays the user entered numbers
* Displays the sorted, in ascending order, array element values
* Program builds and runs

Text

Description automatically generated

Compile, run and test your program.

Submit the working .c file in the Assignment 7 Dropbox.