INTRODUCTION TO COMPUTER SCIENCE II - CS 112
Lab Assignment Nov 30, 2022
Due: Dec 7, 2022 11:59pm

Continuing on the discussion we had in the class, please follow the following steps to finish your lab assignment.

Step 1

Selection Sort (startercode is in the [Lecture 26 notes](#))

1. Write a function that takes 10 numbers from command line (initialized in the array declaration)
2. Sort them using selection sort (code you write based on Lecture notes)
3. Print the sorted list

Step 2

1. Initialize the array to be sorted with 10,000 random numbers
2. Sort them using the same selection sort code in above step
3. Measure the time it takes to sort

Step 3

Merge Sort (starter code is in the [Lecture 26 notes](#))

1. Write a sort function using Merge sort (code in the lecture notes)
2. Initialize the array to be sorted with 10,000 random numbers
3. Measure the time it takes to sort

Step 4

Upload your code in your GitHub repository as usual

Step 5

Email Shreeja and Subbu the time it took to sort 10,000 numbers via Selection Sort and via Merge Sort