

CS211 Homework – 8

Total Marks: 100

Due Date: 12/04/2019

Question 1 of 1: File Handling: [100 marks] Write a C++ program that will read all the integers from the provided file “numbers.txt” and then save them back to another file “sortednumbers.txt” in a *sorted* order. Your code should load the provided file “numbers.txt”. You will need to place this file “numbers.txt” in the same directory as your source.cpp file.

You will need to *load all the numbers from the file* and *save them in an array*. Sort this array of numbers in *ascending order*. Finally **save** this newly sorted array of numbers back into another file named “sortednumbers.txt”.

Your code only needs to work with this file. You can hard code the size of your integer array to 7. For example, int array[7].

Please properly comment your code before submission.

For this part of the assignment, name your source file as **FileHandling_WSUID.cpp**. For example, if your user ID is A999B999 name your file as **FileHandling_A999B999.cpp**.

Expected operation :

numbers.txt Contents

5 -8 7 2 10 4 15

sortednumbers.txt Contents

-8 2 4 5 7 10 15

Hint

- You can use any sorting algorithm of your choice in order to sort the loaded numbers
 - Selection sort might be simpler
 - Merge sort them if you want