CSE 2202: Sessional based on CSE 2201

Problem: Sorting in linear time: Counting Sort

1. Generate N random integers within range 0 to 10000 in a file named input.txt.

2. Implement bubble sort to sort the numbers (from input.txt) and count the time.

3. Implement counting sort to sort the numbers (from input.txt) and count the time.

4. Increase the value of N and plot the performance curve for sufficiently large N to see distinguishable performance.

5. Write your comments on the findings.

*Please rename your submission file name as roll.language_extension (e.g. 033012.cpp)

Submission deadline: 03 July 2021