Counting Words
Project 03

Average execution times (in milliseconds):

Attempts	#1	#2	#3	#4	#5
Unordered map	5.0006	4.9627	4.9302	4.9771	4.9860
Map	17.9578	16.2037	16.1566	16.5952	16.2214

Conclusion:

The average execution times were obtained by repeating the same operation using different data structures to hold its result. To obtain average duration of these operations, they were repeated in a loop of 1000 cycles each. Afterwards the measured duration of the whole loop was divided by the number of cycles to obtain an average duration of a single operation. In our measurement we collected five such results for both of the tested data structures. These results suggest that usage of unordered map is over three times more efficient than using a simple map that keeps an ordering on its key elements.

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