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Programming Assignment 4

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The initial problem given in the assignment is converting a randomized selection of words into an array with 26 values, correctly assigning each word to the first letter it starts with. The algorithm for random dictionary begins with reading the file. After the file is read it is put into lowercase and special characters are replaced with a blank space. After that we look at the array it was added to (dictionary) and subtract the ascii value of 'a' or 97 to then decide what alphabetical block the word gets assigned to. After we have read the random dictionary, we move on to Oliver. We read the file and replace all special characters with blank spaces once again.

run:

of words found: 911672

of words not found: 64139

of comparisons found: 3240264846

of comparisons not found: 476754226

Average # of comparisons for words found: 3554

Average # of comparisons for words not found: 7433

BUILD SUCCESSFUL (total time: 2 minutes 4 seconds)