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Assignment Four
Spell Checking with Linked Lists
11 November 2015

Abstract

The creation of a program that analyzes a document for words that may be incorrectly spelled and output how many may be correct and how many may be potentially incorrect. Using a list of words compiled from a dictionary text file, each word in the text file to be spell checked is compared to see if it exists in the list. If the word is found it is correct, and if the word is not found the word may not exist or be potentially incorrectly spelled. The program also counts the number of words total found and not found, the number of comparisons it took to find or not find them, and the average number of comparisons for each found and not found overall. For each word found it was observed that it took, on average, half the number of comparisons to find a word than it did for not finding a word.