

Programming Assignment 5

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Abstract

The problem for programming assignment 5 is to create a spell checker that will compare words from a book to a dictionary. Our spell checker reads in the dictionary from a file and is saved in binary search trees. Reading in the book will go line by line and we will split the line up by the spaces to get the individual words. The binary search tree will make the time it takes to do the comparisons way faster. We read the book in line by line just like in program 4 and change all of the words to lowercase. To search through the book and compare them to the dictionary I modified the search method from lab 7. I just added the counter to the search method so that it counts the comparisons.

Output

The file was read Successfully

words found 914054

words not found 64537

comparisons found 14036540

comparisons not found 741617

average comparison words found 15.0

average comparison words not found 11.0