Hacettepe University Department of Computer Engineering

BBM203 Programming Lab.

Assignment 3

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Programming Language : C

1.PROBLEM

In this assignment we were asked to create a linked list using the words, words and phrases in the input files given to us. Depending on the commands sent from the command screen, the linked lists were processed.

1.1.Commands:

'-r' Command :

We wanted to read the input files in the file path given in this command.

'-a' Commad:

The word was added to the linked list of the given file according to the number of words and words given in the command.

'-d' Command:

It was requested that the given word be deleted from the linked list of the given file.

'-s' Command:

The cosine similarity of the two input files read in this command was requested.

2.MY SOLUTION

The linked list was created. The input files were read. The functions were called according to the commands.

3.MY CODE & FUNCTIONS

3.1.Functions:

-append1(): Takes char and string as arguments.Appends chars to string.

-readfile(): It inserts the words in the file you read as an argument into the string array.

-findwordscount(): Returns the total number of words in the given file.

-insert(): Adds the string and the number of the string it receives as an argument to the linked list it receives as an argument.

-sortArray(): The alphabetical order of the string array he took as an argument.

-bSortLink(): Sorted by the number of words in the linked list it received as an argument.

-delete(): Deletes the element given as an argument from the linked list.

-similarity(): Finds the cosine similarity of given input files.

-Main(): Draws commands and calls functions.