

Assignment1

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PROBLEM DEFINITION

In this assignment, we were asked to create virtual files according to the commands in the given input file and to make changes in these files according to the commands. Each line has a command and properties of that command. The aim of the assignment is to teach using pointer and dynamic memory allocation functions in C.

SOLUTION APPROACH

Firstly, I got the commands lines from input file line by line.

Secondly, I created the files using "Structure" in virtual environment when command was "CREATE".

Finally, according to the given commands I made changes in the properties of the files I've created.

CreateFile: I use "MALLOC" for assigning name and text of the file.

DeleteFile: I use "MALLOC" for getting the name of file which will delete from line.

RemoveText: I use "MALLOC" for assigning text to remove from the file

AppendText: I use "MALLOC" for assigning text to append and I use "REALLOC" for new text of the file's text.

ReplaceWord: I use "REALLOC" for assigning new text of the file's text.

PrintFilesDatas: I use "MALLOC" to get file name or the other properties of the file.

