

In this assignment Firstly I stored the contents of the database.txt file into the array then I called the first function. First function is named “findDirectory”. In this function I iterated among the directories recursively and I called the other function named “Correct” for the txt files. Correct function simply opens the txt file and corrects the mistake by comparing it with the array of structs. Below you can find the pseudocode of the two functions.

Correct function(“textfilename”){

    Open the textfile

    Iterate the text find to find the specific persons name which exists in database.

    When name is found

        Correct the title (Mr./Ms.) and correct the lastname using fseek and fputs

    Continue to iterate

}

findDirectory(“pathname”){

    Open root directory

    Adjust directories accordingly

    Iterate using loops

    When txt file is found

        Call Correct function and pass directory name of the txt file to the function

    Use recursion to find subdirectories of the current directory.

}

Main

    Open database txt

    Read txt iteratively

    Construct array of struct to store the information.

    Close the txt file

    Call findDirectory function and pass “.” To search through root directory

    Return 0;

