

CS 307 REPORT PA4

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First we open the database.txt file from our directory, then we search for the file that we want to correct and open that, both using the fopen() function. After that we iterate through the database.txt line by line using the fgets() function and we separate the columns in the line using the strtok() function and assign them to their respective variables(gender, fname, name). After each line parse, we use fgetc() function to check if we are at EOF and check if each word is equal to the variable (fname) that we assigned previously. If they are the same, we store the current index of the descriptor and use it to calculate the descriptor index for Mr. and Ms. and then compare it to the gender that we stored and do the same process of calculating index and comparing it for the last name with variable lname. We implement the corrections(if any) using the fput() function. We repeat the process for all the “.txt” files in our directory using a while loop, after which the process is finished.