

CS 307 Programming Assignment 5

File Systems

In this homework, I use the fseek(), and ftell() directories.

First of all, I open the ./database.txt and implement all of the line of it to the array of struct which is called as Person. And I keep the gender, name and surname of the each person in that array of struct as reading the files if their extension is ".txt" line by line in each directory.

insideRoot()

I start to list all of the files and sub-directories in given directory.

If the file includes .txt

If file's directory is "."

if the name of the file != database.txt

readFiles(filename)

else

readFiles()

If there is a directory && directory name is != "." && directory name is != ".."

insideRoot()

readFiles()

I open the file which comes from the insideRoot() function

I start to read this file char by char until reaching to the end of file

if(chr == ' ')

it means that we read a complete word

for (int i = 0; i < length of the array of struct which includes all the information about people ; i++)

if that word is in name of the this array of struct

change the gender and last name of that name

Close the file