Homework 6

Files to submit: **read_lines.c**, **read_lines.h**Time it took Matthew to Complete: **15 mins**

- All programs must compile without warnings when using the -Wall and -Werror options
- Submit only the files requested
 - Do **NOT** submit folders or compressed files such as .zip, .rar, .tar, .targz, etc
- Your program must match the output exactly to receive credit.
 - Make sure that all prompts and output match mine exactly.
 - Easiest way to do this is to copy and paste them
- All input will be valid unless stated otherwise
- Print all real numbers to two decimal places unless otherwise stated
- The examples provided in the prompts do not represent all possible input you can receive.
- All inputs in the examples in the prompt are underlined
 - You don't have to make anything underlined it is just there to help you differentiate between what you are supposed to print and what is being given to your program
- If you have questions please post them on Piazza

Restrictions

No global variables are allowed Project Exam Helpand assign
Your main function may only declare jariables, call other function and assign

variables values.

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For this assignment you will be writing only a single function: read lines.

Specifications

- 1. This function has the following definition:
 - void read lines(FILE* fp, char*** lines, int* num lines).
- 2. This function should read all of the lines contained within fp and
 - 1. Set each row of lines to contain one line of the file.
 - 2. Set num lines to be equal to the number of lines that were in the file
- 3. If the file is empty lines should be set to NULL and num lines to 0.
- 4. You only need to submit read lines.c and read lines.h
- 5. read lines.h must contain at least the definition for read lines but it is perfectly ok if there are more

Example

- 1. ./read lines.out Makefile 1. read lines.out: read lines.o main.o gcc -g -Wall -Werror -o read lines.out read lines.o main.o 2. 3. 4. main.o: main.c read lines.h Assignment Project Exam Help 5. 6.
 - 7. read lines.o: read lines.c read lines.c
 - 8.
 - gcc -g -Wall -Werror -c -o read_lines.o read_lines.c nttps://powcoder.com 9.
 - 10. clean:
 - rm -f *.out *.o 11.

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