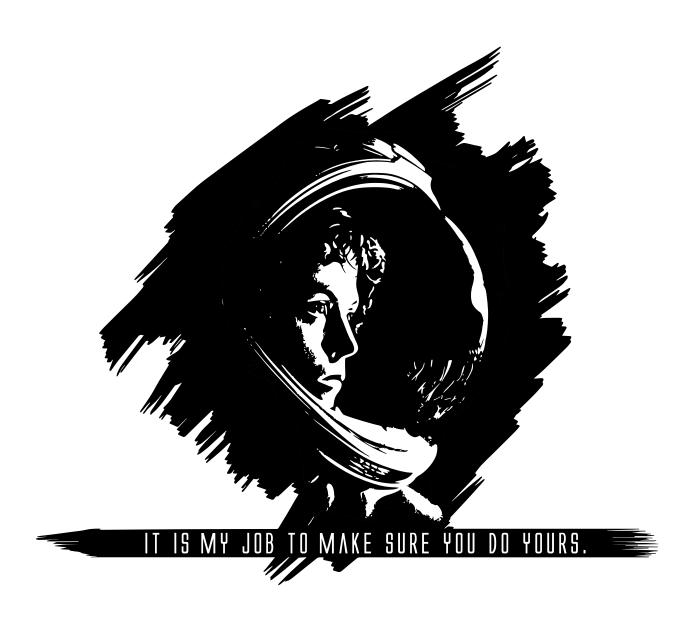


Exercises — Insert Line

version #



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1 Insert Line

Files to submit:

file_basics_insert_line/insert_line.c

Main function: none

Authorized functions: You are only allowed to use the following functions:

- fopen
- fclose
- fseek
- fgetc
- getline
- · fputs
- free

Authorized headers: You are only allowed to use the functions defined in the following headers:

- errno.h
- · assert.h
- · err.h
- stddef.h

1.1 Goal

Write a function that copies the content of file_in into file_out and adds content at the beginning of the n^{th} line. No additional character is needed between content and the rest of the file.

If file_in is too small, add as many linefeed as needed.

If any error occurs or NULL parameters, return -1. Otherwise, return the new number of lines in file_out.

You must open file_in with read-only and file_out with write only permission.

Note: line indices start at 0.

Be careful!

This exercise will be compiled with -D_XOPEN_SOURCE=700

It is my job to make sure you do yours.