



# EXERCISES — Insert Line

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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.

```
int insert_line(const char *file_in, const char *file_out, const char *content,
               size_t n)
```

**Be careful!**

This exercise will be compiled with `-D_XOPEN_SOURCE=700`

*It is my job to make sure you do yours.*