Exercises — File Basics: Merge Files

version **#7be580532266ed398481e31366afcc24b1950c2a**

The way is lit. The path is clear.
We require only the strength to follow it.

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Contents

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File Tree

```
file_basics_merge_files/
└── merge_files.c   (to submit)
```

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

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

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

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

Compilation : Your code must compile with the following flags

- -std=c99 -pedantic -Werror -Wall -Wextra -Wvla

Main function : None

1 Goal

Write a function that merges `file_1` and `file_2`, appending the content of `file_2` into `file_1`. If any error occurs, return −1. Otherwise, return the new number of lines into `file_1`.

```
int merge_files(const char *file_1, const char *file_2);
```

2 Example

```
42sh$ ls
merge_files file_1.txt file_2.txt
42sh$ cat file_1.txt
Hello
42sh$ cat file_2.txt
World!
```

(continues on next page)

```
42sh$ ./merge_files
42sh$ cat file_1.txt
Hello
World!
42sh$ cat file_2.txt
World!
```

Be careful!

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

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