



EXERCISES — Merge Files

version #



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1 Merge Files

Files to submit:

- file_basics_merge_files/merge_files.c

Main function: none

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

1.1 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);
```

1.2 Example

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

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```
42sh$ cat file_2.txt  
World!
```

Be careful!

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

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