



# EXERCISES — Reverse Content

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version #



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# 1 Reverse Content

**Files to submit:**

- file\_basics\_reverse\_content/reverse\_content.c

**Main function:** None

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

- fclose
- fgetc
- fopen
- fputc
- fseek

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

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

## 1.1 Goal

Write a function that copies the content of file `file_in` in **reverse order** into file `file_out`. If any error occurs, return `-1`. Otherwise, return `0`. For this exercise, `file_out` must be opened in write-only mode. Special characters like `\n` are also to reverse with the rest of the content.

```
int reverse_content(const char *file_in, const char *file_out)
```

## 1.2 Example

```
42sh$ cat -e file_in.txt
Line 1$
Line 2$
Line 3$
Line 4$
Line 5$
Line 6$
42sh$ ./reverse_content
42sh$ cat -e file_out.txt
$
6 eniL$
5 eniL$
4 eniL$
3 eniL$
```

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```
2 eniL$  
1 eniL42sh$
```

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