



EXERCISES — My strtok_r

version #7be580532266ed398481e31366afcc24b1950c2a



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

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File Tree

```
my_strtok_r/  
├─ my_strtok_r.c  (to submit)  
└─ my_strtok_r.h  (to submit)
```

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

In this exercise, you will have to implement the `strtok_r(3)` function which will be useful when you will have to lex a stream of data into tokens.

```
char *my_strtok_r(char *str, const char *delim, char **saveptr);
```

You have to lex a string into a sequence of tokens. In the first call, the string to process must be `str`. For consecutive calls processing the same string, `str` should be `NULL` and `saveptr` should be used to save the previous states.

For further information, do not hesitate to consult the man page.

Be careful!

The file you will submit must contain at least the `my_strtok_r` function, but can contain other static functions if you need.

Do not push a `main`, otherwise we will not be able to test your function.

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