{EPITECH}

WORKSHOPLIB

AUTONOMOUS WORK ON YOUR LIBRARY

NEW QUEST!

```
$> gcc main.c
$> ./a.out
Critical Success!
...
Hello World of Tech
```

WORKSHOPLIB

Preliminaries

Language: C
Binary name: lib/libmy.a
compilation: via Makefile, including re, clean and fclean rules

The totality of your source files, except all useless files (binary, temp files, obj files,…), must be included in your delivery.

This project is fully optional and it **will not** be counted toward your unit grade.
It consists in working on your library functions to improve them.
To help you stabilize your library, it will be reviewed at least once a day.

As with every Pool day, your library and its Makefile must be stored in the following directories: `lib/my/` and `include/` (`my.h` file).

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The library must contain **all** of the following functions:

```
1 void my_putchar(char c);
2 int my_isneg(int nb);
3 int my_put_nbr(int nb);
4 void my_swap(int *a, int *b);
5 int my_putstr(char const *str);
6 int my_strlen(char const *str);
7 int my_getnbr(char const *str);
8 void my_sort_int_array(int *tab, int size);
9 int my_compute_power_rec(int nb, int power);
10 int my_compute_square_root(int nb);
11 int my_is_prime(int nb);
12 int my_find_prime_sup(int nb);
13 char *my_strcpy(char *dest, char const *src);
14 char *my_strncpy(char *dest, char const *src, int n);
15 char *my_revstr(char *str);
16 char *my_strstr(char *str, char const *to_find);
17 int my_strcmp(char const *s1, char const *s2);
18 int my_strncmp(char const *s1, char const *s2, int n);
19 char *my_strupcase(char *str);
20 char *my_strlowcase(char *str);
21 char *my_strcapitalize(char *str);
22 int my_str_isalpha(char const *str);
23 int my_str_isnum(char const *str);
24 int my_str_islower(char const *str);
25 int my_str_isupper(char const *str);
26 int my_str_isprintable(char const *str);
27 int my_showstr(char const *str);
28 int my_showmem(char const *str, int size);
29 char *my_strcat(char *dest, char const *src);
30 char *my_strncat(char *dest, char const *src, int nb);
```

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