



# B1 - Unix & C Lab Seminar

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B-CPE-100

## WorkshopLib

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Autonomous work on your library



1.0



# WorkshopLib

binary name: lib/libmy.a

language: C

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).

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

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