



# B1- Unix and C Lab Seminar

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B-CPE-100

## WorkshopLib

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Autonomous work on your library

v1.6



# WorkshopLib

Autonomous work on your library

repository name: : CPool\_workshoplib\_\${ACADEMICYEAR}

repository rights: : ramassage-tek

language: : C

group size: : 1



Your repository must contain the totality of your source files, but no useless files (binary, temp files, obj files,...).

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:

**CPool\_workshoplib\_\${ACADEMICYEAR}/lib/my** and **CPool\_workshoplib\_\${ACADEMICYEAR}/include** (my.h file).

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

```
void    my_putchar      (char c);
int     my_isneg        (int nb);
int     my_put_nbr      (int nb);
int     my_swap         (int *a, int *b);
int     my_putstr       (char const *str);
int     my_strlen       (char const *str);
int     my_getnbr       (char const *str);
void    my_sort_int_array(int *tab, int size);
int     my_compute_power_rec(int nb, int power);
int     my_compute_square_root(int nb);
int     my_is_prime     (int nb);
int     my_find_prime_sup(int nb);
char    *my_strcpy      (char *dest, char const *src);
char    *my_strncpy     (char *dest, char const *src, int nb);
char    *my_revstr      (char *str);
char    *my_strstr      (char const *str, char const *to_find);
int     my_strcmp       (char const *s1, char const *s2);
int     my_strncmp      (char const *s1, char const *s2, int nb);
char    *my_strupcase   (char *str);
char    *my_strlowcase  (char *str);
char    *my_strcapitalize(char *str);
int     my_str_isalpha  (char const *str);
int     my_str_isnum    (char const *str);
int     my_str_islower  (char const *str);
int     my_str_isupper  (char const *str);
int     my_str_isprintable(char const *str);
int     my_showstr      (char const *str);
int     my_showmem      (char const *str, int size);
char    *my_strcat      (char *dest, char const *src);
char    *my_strncat     (char *dest, char const *src, int nb);
```