



# DAY 04

< POINTERS />



# DAY 04

## Preliminaries



### Language: C

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



- ✓ Don't push your `main` function into your delivery directory, we will be adding our own. Your files will be compiled adding our `main.c` and our `my_putchar.c` files.
- ✓ You are only allowed to use the `my_putchar` function to complete the following tasks, but **don't push it** into your delivery directory, and don't copy it in *any* of your delivered files.
- ✓ If one of your files prevents you from compiling with `*.c`, the Autograder will not be able to correct your work and you will receive a 0.



Clone your repository at the beginning of the day and submit your work on a regular basis! The delivery directory is specified within the instructions for each task. In order to keep your repository clean, pay attention to `gitignore`.

## Task 01 - my\_swap

**Delivery:** my\_swap.c

Write a function that swaps the content of two integers, whose addresses are given as a parameter. It must be prototyped as follows:

```
void my_swap(int *a, int *b);
```

## Task 02 - my\_putstr

**Delivery:** my\_putstr.c

Write a function that displays, one-by-one, the characters of a string.

The address of the string's first character will be found in the pointer passed as a parameter to the function, which must be prototyped as follows:

```
int my_putstr(char const *str);
```

## Task 03 - my\_strlen

**Delivery:** my\_strlen.c

Write a function that counts and returns the number of characters found in the string passed as parameter. It must be prototyped as follows:

```
int my_strlen(char const *str);
```



[illegible]

## Task 06 - my\_sort\_int\_array

**Delivery:** my\_sort\_int\_array.c

Write a function that sorts an integer array in ascending order, given a pointer to the first element of the array and its size.

```
void my_sort_int_array(int *array, int size);
```

v 3.1

{EPITECH}