C Piscine

Day 24
The Spy Who Coded me

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Summary: *THE FOLLOWING TAKES PLACE BETWEEN 2.00 A.M. AND 3.00 A.M.*

Contents

Chapter 1

Instructions

- The exercises are carefully laid out in order of difficulty, from easiest to hardest. An exercise is only graded if all previous ones are correct. In other words: the grading for a day stops at the first mistake.

- Be mindful of the submission procedures indicated at the start of every exercise.

- Your exercises will be checked and graded by your fellow classmates.

- On top of that, your exercises will be checked and graded by a program called Moulinette.

- Moulinette is very meticulous and strict in its evaluation of your work. It is entirely automated and there is no way to negotiate with it. Be as thorough as possible!

- Moulinette relies on a program called **norminette** to check if your files respect the Norm. An exercise containing files that do not respect the Norm will be graded 0.

- Using a forbidden function is considered cheating. Cheaters get -42, and this grade is non-negotiable.

- If **ft_putchar()** is an authorized function, we will compile your code with our **ft_putchar.c**.

- You'll only have to submit a **main()** function if we ask for a program.

- Moulinette compiles with these flags: **-Wall -Wextra -Werror**, and uses **gcc**.

- If your program doesn't compile, it will be graded 0.

- You should not leave any additional file in your directory than those specified in the subject.

> (i) For this day, norminette **is launched without any particular flag!**

Chapter 2

Donnie Matrix III

« Judo Silent Roll ! Judo Camo ! »

Our infriltration into Dr Evil's HQ is a success, thanks to Austin's Powers mysterious talents. A simple black T-shirt and dirty hairs and we were able to break through all security controls.

« Thanks to Basil's plans, said Austin, we know that Dr Evil is hidding on the 6th floor. We'll go through the cluster and use the outside staircases. By blending in the anonymous henchmens, our approach is undetectable.
- Why is there so many compuyters ?
- Originaly, it was for a bootcamp. But since the falling of the system, those are just used to mine bitcoins. »

A larsen suddenly sounded in the room. Someone was about to make an announcement.

« test, test... Evening you, here is Dr Evil. Austin Powers, give yourself in without fight, or else... Oh nevermind, i'll just do that ! »

A screeching sound was heard. A noise that sounded like chalk on a board, which made me fall on the ground, the hands on the ears, an awful noise which made me shiver...

« Ah, this noise ! Austin, this noise, stop it, this frequency, it'll...»

Shutting down. Reboot. Initialisation of brain functions.
Option --verbose activated.

« T underscore name donnie coma Donnie dot name receiving strdup opening bracket Donnie backquote not equal Donnie point life get zero zero point zero semicolon... »

[Donnie Matrix, you are a female-bot ?]

Chapter 3

ft_perso.h

Dr Evil's scrambler has badly damaged Donnie Matrix… It won't compile anymore.

Turn-in directory : **ex11/**

Files to turn in: ft_perso.h

Allowed functions: None

- Create a file **ft_perso.h** which compiles the following main :

```c
#include "ft_perso.h"

int main()
{
  t_perso    donnie;

  donnie.name = strdup("Donnie");
  donnie.life = 100.0;
  donnie.age = 24;
  donnie.profession = SAVE_AUSTIN_POWERS;
  (void)donnie;
  return (0);
}
```