



C Piscine

Day 24

The Spy Who Coded me

Staff 42 pedago@42.fr

Summary: THE FOLLOWING TAKES PLACE BETWEEN 1.00 A.M. AND 2.00 A.M.

Contents

1	Instructions	2
2	Dr Evil IV	3
3	ft_scrambler.c	4

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.



For this day, **norminette** is launched without any particular flag!

Chapter 2

Dr Evil IV

« Dr Evil ! Dr EVIL !

- What, what's happening, Frai Farbissina ?
- Austin Powers was sighted at the entrance of our HQ !
- Ah. »

He always mess up with my plans. Austin Powers is like the fly on the motorcycle's helmet.

« On the main screen : I want to see what trap to set up to slow his progress ! »

Secretly i hope he's in the chilling area. I'd like to use my mutant spiders at least once before retiring.

« They are... in the clusTER !

- What, Frau, « They are » ? Did you really say « They » ?
- Austin is with a young woman, it wasn't planned. Dr Evil we have to act !
- Show me those intruders ! And please, next time, a little common sense about security ? Like finger print access ? »

Oh. I recognise the girl who's with Austin. « Donnie Matrix », ha ? Austin get a huge surprise.

« Activate the jammer !

- Activate the jaMMER ! »

Chapter 3

ft_scrambler.c

Configure the scrambler using the following exercise.

Turn-in directory : ex10/

Files to turn in: ft_scrambler.c

Allowed functions: None

- Create a function `ft_scrambler()` that exchanges the ints pointed by pointers to `int` given as arguments.
- This function will put `a` in `c` ; `c` in `d` ; `d` in `b` ; and `b` in `a`.
- Here's how it should be prototyped :

```
void ft_scrambler(int ***a, int *b, int *****c, int ****d);
```