C Piscine

Day 24
The Spy Who Coded me

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Summary: *THE FOLLOWING TAKES PLACE BETWEEN 7.00 P.M. AND 8.00 P.M.*

Contents

Chapter 1

Instructions

- The exercises are carefully laid out in order of difficulty, from easiest to hardest. The grading for the day will NOT stop 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 II

« It's wasn't necessary to wet the sheets, Austin, the bomb is diffused.

- The mattress is leaking, i'm innocent Donnie, i've got no plumbing issues on my side !
- Dr Evil will not stop trying to annihilate us, that's why we need to annihilate him first.
- Let's not jump on conclusions and enjoy this instant of intimacy...
- I don't jump on conclusions : There was a letter signed by Dr Evil attached to the bomb. »

For the first time since our first encounter, i saw a glimps of concern into Austin's eyes. At last he's being serious now.

« What is this letter about ? If Dr Evil was able to infiltrate anonymously into one of my bunkers, nowhere is safe anymore.

- Usual claims, Austin Powers i'll kill you, i want a ransom, a lot of evil laughts, you'll never stop my female-bots... followed by gibberish characters that don't make sense ?
- Show me, show me. In addition to being an attentive love, i've had cryptography lessons.
- Really, Austin ? You're surprising me all the time !
- Her name was Sophie Ligrane, she's was good with her fingers ... »

It was too good to be true. Austin Powers, serious for a few seconds ? Impossible.

« Focus on the subject. Can you decrypt this part of the message ? Seems like coordinates... »

Chapter 3

ft_rot42.c

Assist Austin in teaching Donnie how to make a rot42,
this is what differentiates men from little boys.

Turn-in directory : ex04/

Files to turn in: ft_rot42.c

Allowed functions: None

- Create a function **ft_rot42** which takes the string passed as argument and rotates the appropriate characters by 42.

- Here's how it should be prototyped :

```c
char	*ft_rot42(char *str);
```

> If you're not sure what you're supposed to do here, know that rot13 already exists... Don't check out rot47 !