



C Piscine

Day 24

The Spy Who Coded me

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Summary: THE FOLLOWING TAKES PLACE BETWEEN 5.00 A.M. AND 6.00 A.M.

Contents

1	Instructions	2
2	Donnie Matrix IV	3
3	ft_decrypt.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

Donnie Matrix IV

Reinitialisation of the MBR. Cerebral activity back to normal.

« Au... Austin ?

- Calm down, baby, calm down, everything is alright, you were repaired...

- I was ?

- Mini-Me made miracles happen on your software, he patched you to avoid any new jamms by Dr Evil... »

My feelings are deeper. I rediscover my surroundings - A kind of humid cave where numerous webcam's cable meddle - I got the feeling that i feel new emotions. I stand and got to Mini-Me.

« You repaired me Mini-Me. I'll always be grateful...

- [blush] »

I put a kiss on his forehead. Mini-Me smiled.

« Austin, i said, we still need to stop Dr Evil.

- But, baby, how to escape from this ... »

I analysed the situation and came closer to the hatch locking us up. Even if it's not locked, i took time to destroy it with a deadly kick. Apparently, this new software overclocked my hardware.

« Next question, Austin ?

- What are Dr Evil's secret plans ?

- [! ! !] , Mini-Me stirs a USB key around.

- You know something ? Give that to Donnie ! »

I put the key inside my USB port hidden in my Left ear. Hum. Everything is here... but uncripted.

Chapter 3

ft_decrypt.c

Crypted data ? That won't stop Donnie Matrix,
the lady-bot !

Turn-in directory : ex14/

Files to turn in: ft_decrypt.c

Allowed functions: malloc

- Create a function **ft_decrypt**. This function takes for argument a characters string, and splits it into a structure array called **t_perso**. The array will be delimited by a 0.
- Here's how it should be prototyped :

```
t_perso  **ft_decrypt(char *str);
```

- The string passed as argument will be formatted as follows :

```
Age|Nom;Age2|Nom2;Age3|Nom3
```



The structure of **t_perso** should ring a bell ! The fields that are not specified won't be initialised. Remember to include **ft_perso.h** in your **.c** !