C Piscine

Day 24
The Spy Who Coded me

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

Contents

Chapter I

Instructions

- Only this page will serve as reference: do not trust rumors.

- Watch out! This document could potentially change up to an hour before submission.

- Make sure you have the appropriate permissions on your files and directories.

- You have to follow the submission procedures for 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. So if you want to avoid bad surprises, be as thorough as possible.

- Moulinette is not very open-minded. It won't try and understand your code if it doesn't respect the Norm. Moulinette relies on a program called `Norminator` to check if your files respect the norm. TL;DR: it would be idiotic to submit a piece of work that doesn't pass `Norminator`'s check.

- These exercises are carefully laid out by order of difficulty - from easiest to hardest. We `will not` take into account a successfully completed harder exercise if an easier one is not perfectly functional.

- 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, you'll get `0`.

- You <u>cannot</u> leave <u>any</u> additional file in your directory than those specified in the subject.

- Got a question? Ask your peer on the right. Otherwise, try your peer on the left.

- Your reference guide is called `Google / man / the Internet / ....`

- Check out the "C Piscine" part of the forum on the intranet.

- Examine the examples thoroughly. They could very well call for details that are not explicitly mentioned in the subject...

- By Odin, by Thor ! Use your brain !!!

Chapter II

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 III

ft_decrypt.c

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

	Exercice : 14	
	ft_decrypt.c	
Turn-in directory : *ex*14/		
Files to turn in : `ft_decrypt.c`		
Allowed functions : `malloc`		
Remarks : `n/a`		

- 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 !