C Piscine

Day 24

Staff 42 pedago@42.fr

Summary: *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.

- 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`.

- Exercises in Shell must be executable with /bin/sh..

- 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

Foreword

« I recovered your data, Bauer, said Chloe happy with herself. The Agent who left it behind was very blue, it contains the data on the confederate network of terrorists as well as their mission. The attack on the President is scheduled for noon, after that an attack on CTU!

\- Nice job, O'Brian. So who are the terrorists?

\- Cannot tell. The Windows 8 architecture associated to my recovery program compacted all data without sorting them.

\- Good God O'Brian, you already have an attack on CTU on your back, do you really want to be remembered as an incompetent fool? I prefer to go and look for other survivors with Agent 30.1! »

Nick slammed the door to Chloe's office in a fit of anger, leaving the rebel director of the CTU alone to face her failures.

« I am not incompetent... It is not really an impossible task, but highly improbable, there is a very small chance of success... »

Unfortunately for Chloe, it was hopeless.

« But if I inverted the fractal booleanarity and deployed a Cole / Gantt algorithm according to the Coplian form... »

No, it was hopeless.

« The spool is blocked on the link, I have to reboot the tray to allow the RAID-0 to exit the FIFO mode and push the BDD into mutex ...»

Is someone listening to me? Chloe was on the verge of giving up?

« No, I will keep going. The solution is trivial when you bother to think about it! Bauer is counting on me. My country too. »

```
« There it's done. Now, I only have to apply a sort on the data ...
I have less than an hour. »
```

Chapter III

ft_decrypt.c

	Exercise 14
	ft__decrypt.c
Turn-in directory : *ex14/*	
Files to turn in : `ft_decrypt.c`	
Allowed functions : `malloc`	
Notes : `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 !