C Piscine

Day 24

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Summary: *THE FOLLOWING TAKES PLACE BETWEEN 4.00 A.M. AND 5.00 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

With the sound of metal creaking, the doors of the elevator Chloe was trapped in, opened. The young woman let out a cry of deliverance before slapping her savior.

    « Bauer! I knew you presence would mean trouble!
- O'Brian, your day is just beginning! We have a confederate network of terrorists to call ... Come on, we'll take the stairs, I'll explain on the way. »

    By the time they arrived at the office of the rebel director of CTU, Chloe was made aware of all the details of the operation.

    « . . . And so I left Agent 30.1 to look for the other survivors of the attack. And you, while your building was being attacked, what did you do?
- I took the elevator.
- No kidding. Here, I recovered this tablet last night from Special Agent Crêpe, abductor of Vic Soontobedead. Can you get anything? There is no battery, it needs to be recharged. »

    While Chloe was plugging into her computer, she could not help but be frightened.
    « But ... This tablet is a useless pile of crap ...
"But its running Windows 8," Nick commented. "That's why I'm saying, it's hopeless!" - Crazy! I do not want to make it a media center, I just want to retrieve the data on it!
- Oh. I should be able to clean the unusable areas of memory in this case and install another operating system ... Can you wait an hour?
- ASAP.


```
Remove erased areas from your hard drive?
Chloe can do it blindfolded. And you?
```

Chapter III

ft_compact.c

	Exercise 13
	ft_compact.c
Turn-in directory : *ex13/*	
Files to turn in : `ft_compact.c`	
Allowed functions : `None`	
Notes : `n/a`	

- Create a function `ft_compact` which takes a array of `char *` as argument and crushes all elements pointing to 0.

- Here's how it should be prototyped :

```
int    ft_compact(char **tab, int length);
```

- This function will return the array's new size.

> Not sure what this function does? It also exists in Ruby.