C Piscine

Day 24
The Spy Who Coded me

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

Contents

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.

> **(i)** For this day, norminette **is launched without any particular flag!**

Chapter 2

Mini-Me

People always looked down at me. It's understandable when you're a 1/8th clone of Dr Evil.

Right, i'm not able to talk, but is it a good enough reason ? My neurone connections too are at 1/8th. Because of that i think 8 times faster... and my mouth can't follow. I use it all right. I cross-dress in a very attractive simpleton. Reality is something else. That's why i decided to be alone in the empty crawl space of Dr Evil's HQ using depression as an excuse. Here i can be myself. Here i'm a giant.

« In jail Austin, in jail Donnie ! Dr Evil will take care of you later ! Watch your heads... »

New arrivals. Known heads coming spoiling my sanctuary. It's too much : I worked hard to reach inner serenity. It's time to pay the bill. I'm coming closer from Austin Powers to help him escape.

« ...
- Mini-Me ! You too, they locked you up ? asked Austin.
- [a nod]
- Hear, i know we've had our disagreements in the past... But can you ...
- [hug]
- Yes, yes, hug, friends, friendship... Poor clone... They hurted you, ha ?
- [sad eyes]
- Will you help me repair that female-bot ? If she's at our side, we'll be able to escape. »

Female-bots are easy to put back on their feet when you know the trick. I looked at Donnie Matrix, unconcious and having numerous glitches.

« ...
- Can you repair her, Mini-me ? »

Of course i can. I need to push a mutex on the ESXI and double-thread at a rollback to avoid a deadlock on the arduino's system. I will not forgot to add stdio.h when i stack the open-source padding. In another way... i need to be more compact.

Chapter 3

ft_compact.c

Help Mini-Me prove to Austin that thinking small is seeing large.

Turn-in directory : ex13/

Files to turn in: ft_compact.c

Allowed functions: None

- 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.