



C Piscine

Day 24

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Summary: THE FOLLOWING TAKES PLACE BETWEEN 1.00 A.M. AND 2.00 A.M.

Contents

I	Instructions	2
II	Foreword	4
III	ft_scrambler.c	5

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 cannot leave any 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

"Natasha, we go to Plan B," Anastacia assaulted in the trash room of the CTU. I got some info from Special Agent Crêpe. I had to take his family as a hostage to be able to make him sing.

- Is it going to work with this two-ball script? Frankly, the traitor who has a family detained by terrorists is warmed up. I do not think The Narrator will appreciate ...

- I hope. Hurry up. Come, let's install this relay antenna on the roof. "

Meanwhile, Nick Bauer and Special Agent Crêpe were both preparing to have a revelation.

"I found the source of the signal," Bauer boosted. It comes from our building! The terrorists are in our building! And I remember you, Special Agent Crêpe ... You were in Jersey Shore's house, hidden behind your gas mask! Traitor!

"I've never had a family," said Special Agent Crêpe. Something is not logical in this story! And what is this buzzing in my ears ... "

Taking his head in both hands, Special Agent Crêpe experienced unbearable pain. Then: "splaaach". The Special Agent Crêpe disintegrated in an explosion of flesh, brain, viscera and bone. While experiencing a drastic dose of schadenfreude, a hamster scattered from this bloody heap, finally freed from his ordeal.


Nick did not have time to recover from this vision of horror. Already, other CTU agents began to hold their heads and convulsed.

"It's probably an inaudible signal on the 42MHz band that causes these human explosions! If I can change the frequency by hacking this portable radio, I could avoid the disaster! "

Quick ! Help Nick to scramble the terrorists' signal before others
Innocent traitors explode throughout the CTU!

Chapter III

ft_scrambler.c

	Exercise 10
ft_scrambler.c	
Turn-in directory : <i>ex10/</i>	
Files to turn in : ft_scrambler.c	
Allowed functions : None	
Notes : n/a	

- Create a function `ft_scrambler()` that exchanges the ints pointed by pointers to `int` given as arguments.
- This function will put **a** in **c** ; **c** in **d** ; **d** in **b** ; and **b** in **a**.
- Here's how it should be prototyped :

```
void ft_scrambler(int **a, int *b, int *****c, int ****d);
```