



Piscine C

24

Staff 42 [piscine@42.fr](mailto:piscine@42.fr)

*Summary: THE FOLLOWING TAKES PLACE BETWEEN 10.00 A.M. AND 11.00 A.M.*

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# Chapter I

## Consignes

- 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.
- 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`.
- If your program doesn't compile, you'll get 0.
- Exercises in Shell must be executable with `/bin/sh..`
- You cannot leave any additional files in your directory other 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

« " Enough ! Said Nick Bauer. It is time for you to join your ancestors! " »

The force of his kick caused Anastacia to decelerate on the generatrix, cutting off the killer signal. Still affected by the blow, she stumbled over the railing and began a fatal fall. As she fell from the top of the CTU's roof, she suddenly wondered what it would sound like as her body crashed down.

Splaaach.

For her part, Chloe O'Brian took advantage of all the rage she had accumulated over the last few hours on Natasha.

« "I am the rebel director of the CTU! Your plan will not unfold - left hook - no attacks as long as I have the strength to kick you - heel shot - out of my way!" »

Natasha let out a blood curling shriek when she smashed her skull against an air vent conveniently placed there.

« "There's one... another," she said in her last breath, "an active Agent... always alive... and the attack on the President... will be a success!" »

Fin de l'Histoire pour Anastacia et Natasha, les sœurs jumelles maléfiques.

There will be no more for Anastacia and Natasha, the evil twin sisters.

« "O'Brian... This way of fighting...

- Yes?


- Remember me never to contradict you.

"Let's go back to my office, Bauer," Chloe said, smiling. There is still an active spy to unmask among the list of contacts of the Confederate network of terrorists." »

You do not have time to catch your breath: another attack is about to unravel.  
Who is the last traitor still alive?

# Chapter III

## ft\_active\_bits.c

	Exercise 16
ft_active_bits.c	
Turn-in directory : <i>ex16/</i>	
Files to turn in : <b>ft_active_bits.c</b>	
Allowed functions : <b>None</b>	
Notes : <b>n/a</b>	

- Create a function `ft_active_bits` which returns the number of active bits in the `int` passed as an argument.
- Here's how it should be prototyped:

```
unsigned int    ft_active_bits(int value);
```