



C Piscine

Day 24
The Spy Who Coded me

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*Abstract: THE FOLLOWING TAKES PLACE BETWEEN 11.00 P.M. AND 12.00
A.M.*

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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. Moulinette relies on a program called **Norminator** to check if your files respect the norm. TL;DR: it would be idiotic to submit a piece of work that doesn't pass **Norminator**'s check.
- These exercises are carefully laid out by order of difficulty - from easiest to hardest. We **will not** take into account a successfully completed harder exercise if an easier one is not perfectly functional.
- 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.
- 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

Basil Exposition

I'm dead since many years, but my conscience still lives inside a server. Of course, it's difficult to call that life : no feelings just thoughts. Am I still Basil Exposition, Austin Powers' boss if i'm not a man anymore ?

[Yes, yes, yes, just need to push the button, and the Shaguar starts a conference with Basil, Donnie, it always worked.]

Not so long ago, i could have explained everything to Austin Powers. How i managed to find the revers temporal flux and his arrival in 2042. What are the evil dark secret plans of Dr Evil. How to stop him.

[Push the power button !]

What's Donnie Matrix's secret.

[Ah, it works, it works !]

« - Basil ! Basil, where are you now ?

- Austin... Powers ?
- It works ? This technology still works ? Said Donnie shocked.
- Basil, we need your help to stop Dr Evil yet another time.
- I know. I intercepted communication - in fact all communications from his HQ in Paris, France. You should find important informations while going through them.
- Thanks Basil ! You've already met Donnie Matrix, my new...
- Good luck, Austin. Good luck. »

I shut down the communication and returned to silence.


...

Strange how loneliness is even more unbearable when you have nobody to talk to.

Chapter III

ft_spy.c

Help Austin and Donnie find interesting bits of communications from Dr Evel's HQ.

| | |
|---|------------------------------------|
|  | Exercice : 08 |
| | ft_spy.c |
| | Turn-in directory : <i>ex08/</i> |
| | Files to turn in : ft_spy.c |
| | Allowed functions : write |
| | Remarks : n/a |

- Create the file `ft_spy.c` which displays **Alert!!!** on the standard output, followed by a line break, if any of the given arguments is one of these words: **president**, **attack** or **Powers**.
- Evidently, your `ft_spy.c` file should have a `main`.

```
$> ./ft_spy "I" "will" "kill" "Austin" "Powers"
Alert!!!
$> ./ft_spy "Hello" "I" "want" "a" "4" "cheese" "pizza"
$> ./ft_spy "The attack" "will" "start" "soon"
$> ./ft_spy "an" "attack" "will" "start" "soon"
Alert!!!
$>
```

- Examine the examples thoroughly :

```
$> ./ft_spy "I" "will" "kill" "Nigel" "PoWeRs"
Alert!!!
$> ./ft_spy " the " " president " "must" "die "
Alert!!!
$> ./ft_spy " the'" "omnipresident" "must" "eat "
$>
```



Why not take advantage of this exercise to add reusable functions to your lib ?