C Piscine

Day 24
The Spy Who Coded me

Staff 42 **pedago@42.fr**

Summary: *THE FOLLOWING TAKES PLACE BETWEEN 11.00 P.M. AND 12.00 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!**

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Chapter 2

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 3

ft_spy.c

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

Turn-in directory : ex08/

Files to turn in: ft_spy.c

Allowed functions: write

- 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 shouls 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 thouroughly :

```
$> $./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 reuseable
> functions to your lib ?**