



C Piscine

Day 24

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

It was a banal early evening for Nicolas "Nick" Bauer.

His face, still intoxicated by the alcohol of the day before, he made his way to his bathroom, not without tripping twice on the steps of his stairs and failing to make a fatal fall. Despite an invigorating shower, it was hard to know who was the most hazy of the two: his brain or his bathroom.

Since he was wanted by Russia, China and the United States, his life was lacking a bit of spice. It must be said that when you are on the blacklist of two world superpowers and the first exporting country of McDonald's, the low profile is necessary.

On the discretion, Nick knew what he was talking about. His last neighbors a little too curious had mysteriously disappeared after a fatal excursion to the mall. While the authorities were looking for traces of the two lovers, Nick now had peace when he unloaded "to keep his hand" his automatic pistols on Sunday afternoon.

In all respects, this day was going to end in total banality in the town of Seaside Heights, New Jersey.

« Tut... Tut... »

«My phone, Nick thought. This is not the usual ringing. It is that of trouble."

Nick looked at the clock in the shape of a little kitten in his kitchen. This trophy was a gift from Vic Soontobedead, his soul mate. Vic had replaced in his heart Renee, his previous murdered companion.


A very strange clock running Windows 8 that had never worked before. . .

Help Nick navigate through time using the following exercise.

# Chapter III

## ft\_takes\_place.c

Even in the future, watches provide the time.  
You just have to know how to set them up.

	Exercise 01
ft_takes_place.c	
Turn-in directory : <i>ex01/</i>	
Files to turn in : <i>ft_takes_place.c</i>	
Allowed functions : <i>write, printf</i>	
Notes : <i>n/a</i>	

- Create a function `ft_takes_place` which displays the time on the standard output like this : THE FOLLOWING TAKES PLACE BETWEEN X.00 A.M. AND Y.00 A.M.. Followed by a line break. Example :

```
THE FOLLOWING TAKES PLACE BETWEEN 10.00 A.M. AND 11.00 A.M.
```

- Here's how it should be prototyped :

```
void ft_takes_place(int hour);
```

- The `hour` argument will be a valid `int`, in a 24-hour clock format. The output will be in the am/pm format.



Be careful with noon and midnight !