

C Piscine C 06

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Summary: This document contains the subject for the C 06 module of the C Piscine at 42.

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Chapter I

Instructions

- Only this page serves as your reference, do not trust rumors.
- Watch out! This document may change before submission.
- Ensure you have the appropriate permissions on your files and directories.
- You must follow the **submission procedures** for all your exercises.
- Your exercises will be checked and graded by your fellow classmates.
- Additionally, your exercises will be evaluated by a program called **Moulinette**.
- Moulinette is meticulous and strict in its assessment. It is fully automated, and there is no way to negotiate with it. To avoid unpleasant surprises, be as thorough as possible.
- Moulinette is not open-minded. If your code does not adhere to the Norm, it won't attempt to understand it. Moulinette relies on a program called norminette to check if your files comply with the Norm. TL;DR: Submitting work that doesn't pass norminette's check makes no sense.
- These exercises are arranged in order of difficulty, from easiest to hardest. We will not consider a successfully completed harder exercise if an easier one is not fully functional.
- Using a forbidden function is considered cheating. Cheaters receive a grade of **-42**, which is non-negotiable.
- You only need to submit a main() function if we specifically ask for a program.
- Moulinette compiles with the following flags: -Wall -Wextra -Werror, using cc.
- If your program does not compile, you will receive a grade of **0**.
- You **cannot** leave **any** additional file in your directory beyond those specified in the assignment.
- Have a question? Ask the peer on your right. If not, try the peer on your left.

- \bullet Your reference guide is called **Google / man / the Internet / ...**
- Check the "C Piscine" section of the forum on the intranet or the Piscine on Slack.
- Carefully examine the examples. They may contain crucial details that are not explicitly stated in the assignment...
- By Odin, by Thor! Use your brain!!!



Norminette must be run with the -R CheckForbiddenSourceHeader flag. Moulinette will use it as well.

Chapter II

Foreword

Dialog from the movie The Big Lebowski:

The Dude: Walter, ya know, it's Smokey, so his toe slipped over the line a little, big deal. It's just a game, man.

Walter Sobchak: Dude, this is a league game, this determines who enters the next round robin. Am I wrong? Am I wrong?

Smokey: Yeah, but I wasn't over. Gimme the marker Dude, I'm marking it 8.

Walter Sobchak: [pulls out a gun] Smokey, my friend, you are entering a world of pain.

The Dude: Walter...

Walter Sobchak: You mark that frame an 8, and you're entering a world of pain.

Smokey: I'm not...

Walter Sobchak: A world of pain. Smokey: Dude, he's your partner...

Walter Sobchak: [shouting] Has the whole world gone crazy? Am I the only one

around here who gives a shit about the rules? Mark it zero!

The Dude: They're calling the cops, put the piece away.

Walter Sobchak: Mark it zero! [points gun in Smokey's face]

The Dude: Walter ...

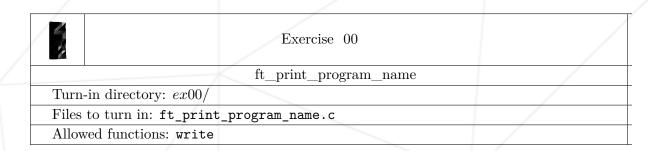
Walter Sobchak: [shouting] You think I'm fucking around here? Mark it zero!

Smokey: All right, it's fucking zero. Are you happy, you crazy fuck?

Walter Sobchak: ...It's a league game, Smokey.

Chapter III

Exercise 00: ft_print_program_name

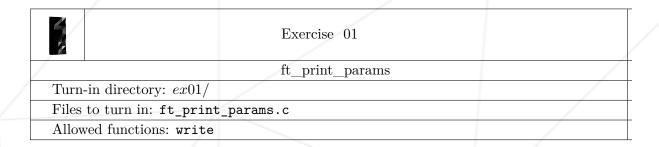


- Since this is a program, your .c file must contain a main function.
- Write a program that displays its own name, followed by a new line.
- Example:

```
$>./a.out | cat -e
./a.out$
$>
```

Chapter IV

Exercise 01: ft_print_params

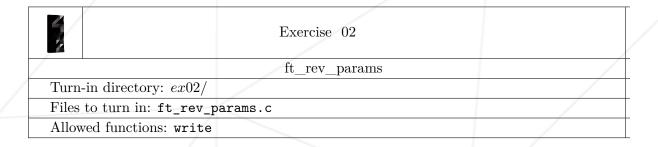


- Since this is a program, your .c file must contain a main function.
- Write a program that displays its given arguments.
- Each argument should be printed on a new line, in the same order as in the command line.
- The program should display all arguments except argv[0].
- Example:

```
$>./a.out test1 test2 test3 | cat -e
test1$
test2$
test3$
$>
```

Chapter V

Exercise 02: ft_rev_params



- Since this is a program, your .c file must contain a main function.
- Write a program that displays its given arguments.
- Each argument should be printed on a new line, in the reverse order from the command line.
- The program should display all arguments except argv[0].

Chapter VI

Exercise 03: ft_sort_params

Exercise 03	
ft_sort_params	
Turn-in directory: $ex03/$	
Files to turn in: ft_sort_params.c	
Allowed functions: write	

- Since this is a program, your .c file must contain a main function.
- Write a program that displays its given arguments sorted in ASCII order.
- The program should display all arguments except argv[0].
- Each argument should be printed on a new line.

Chapter VII

Submission and peer-evaluation

Submit your assignment to your Git repository as usual. Only the work inside your repository will be evaluated during the defense. Be sure to double-check the names of your files to ensure they are correct.



You need to return only the files requested by the subject of this project.