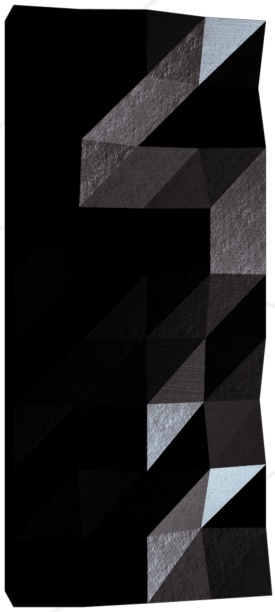

C Bootcamp

24h Challenge

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Summary: *THE FOLLOWING TAKES PLACE BETWEEN 10.00 P.M. AND 11.00 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. 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 Bootcamp" 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 an usual night for Anastacia and Natasha, twin sisterw in the armed branch of Operation Twilight. At the back of the moving van, heading to the New York CTU, the country's CTU, they were reviewing their troups.

« We have night workers on cleaning duty in the building. You the bearded guy, what's your role?
- My name is Thar, explained the person wearing a blue dungaree. I'm a window cleaner.
- And I'm Zoz, said the adjacent guy, wearing the same cloths. My specialty: Faulty plumbing.
- Good job guys, for once, some of you learn their scripts! Now quiet, they're speaking about us on the radio. »
« ... an explosion armless for the nature. Already on Trouiter, reactions flood: the #snookiboomboom hashtag is internationally trendy. For WSKID, it's Fabriana who continues to follow the case, on site... »

« No, seriously those information, screamed the taxi driver leading Nick Bauer to the CTU as well, what a bunch of crap! »
On the vehicule's backseat, Nick wasn't interested by the claims of a simple mortal.

« What's on the radio? A damn explosion that didn't even kill anybody! If it was me, Sebastian B. well we wouldn't talk about useless stuff! »

« I'm dealing with a crazy guy though Nick. I should continue hackting this almost out of battery Windows 8 tablet instead. The password seems to be some sort of mathematical riddle... »

Chapter III

ft_collatz_conjecture.c

`You shouldn't pay attention to the taxi drive nonsend either:`
`write a program that is capable of computing the tablet's password.`

	Exercise 07
ft_collatz_conjecture.c	
Turn-in directory : *ex*07/	
Files to turn in : `ft_collatz_conjecture.c`	
Allowed functions : `None`	
Notes : `n/a`	

- Create a function `ft_collatz_conjecture` which will return the "flight time" for a given argument.
- This function must be recursive.
- Here's how it should be prototyped :

```
unsigned int  ft_collatz_conjecture(unsigned int base);
```