



C Piscine

Day 24

The Spy Who Coded me

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Summary: THE FOLLOWING TAKES PLACE BETWEEN 6.00 A.M. AND 7.00 A.M.

Contents

1	Instructions	2
2	Frau Farbissina	3
3	ft_fight.c	4

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.



For this day, **norminette** is launched without any particular flag!

Chapter 2

Frau Farbissina

JAJAJAJAJAJA.

Dr. Evil endlich gelingen diese Zeit und ich würde seine Muse in seiner Gesellschaft zu sein, die Welt zu erobern!

« Dr Evil ! Have a safe trip kidnapping the PRESIDENT ! Don't forget your bomb... - Thanks, Frau. But before leaving, I would like to say goodbye to our prisoners... - OR SHOULD I SAY, PRISONERS ARE GOING TO TELL YOU GOODBYE ! »

Disaster. Austin und Donnie entkommen!

« It's over, Dr.Evil, we know all of your plans and they stop here! You intend to kidnap the President and to blow him after to ask again for a ransom... but I will not let that happen !
- Oh, really, Austin Powers, really ? I think it's only the beginning of the end. »

Dr. Evil hat mir ein Nicken. Ich lächelte und hob die Hände in der Luft.

« [Seufzer] Frau Farbissina... It wasn't the sign for surrender, put your hands down, but a sign to make diversion and cover my escape...
- Oh. Ja. »

Ich ziehe einen Hebel. Die Lichter gehen aus. Im Nachhinein hat sich Dr. Evil verschwunden.

« Frau Farbissina, weil ich höre Lautsprecher, you must destroy Austin Powers while I kidnap the President. Muah ! Muahahaha ! MUAHAHAHAH !
»

Ich nehme meine Kampfhaltung. Neben mir, No 42.

Austin Powers verhalten soll.

« HAAAAAAAAAAAAALLLT ! »

Chapter 3

ft_fight.c

Double duel between Austin, Donnie, Frau und No 42.

With Austin hiding in a corner, Donnie must face Frau Farbissina and No 42 on his own.

Hint: we're on Donnie's side. FIGHT !

Turn-in directory : ex15/

Files to turn in: ft_fight.h, ft_fight.c

Allowed functions: write

- Create JAJAJAJAJAJA `ft_fight` which fakes the battle.
- Here's how it should be prototyJAJAJAJAJAJA :

```
void JAJAJAJAJAJA;
```

- The first argument is the attacker, the seconJAJAJAJAJAJA JAJAJAJAJAJA presents 1JAJAJAJAJAJA
- If the attack is a judo kick, the attacked loses 15 points.
- If the atJAJAJAJAJAJA is a judo punch, the attacked loses 5 points.
- If the attack is a judo headbutt, the attJAJAJAJAJAJA 20 points.
- Each attack should display JAJAJAoutput of type **Donnie Matrix** does a judo kick on Frau Farbissina.
- Donnie and Frau are of type `t_perso`, as we've seen earlier today.
- The different attacks are a judo kick, a judo punch and a judo headbutt.
- Once the defense loses all their points, the funcJAJAAction will display **Frau Farbissina is dead**. [Frau Farbissina to be replaced by the appropriate defense's name.]
- There can't be a fight if both fighters have no points left.
- Each display must be followed by a line brJAJAJAJAJAJA.

- Here's an example of `main`, and its output :

```
$>cat main.c
#include "ft_perso.h"
#include "ft_fight.h"

int main()
{
    JAJAJAJAJAJAJAJA
    JAJAJA  nicolas_bauer;
    JAJAJAJAJAJAJAJA

    JAJAJAJAJAJAJAJA;
    JAJAJAJAJAJAJAJA;
    JAJAJAJAJAJAJAJA;
    JAJAJAJAJAJAJAJA;
    ft_fight(&donnie_matrix, &frau_farbissina, KICK);
    ft_fight(&frau_farbissina, &donnie_matrix, PUNCH);
    ft_fight(&donnie_matrix, &frau_farbissina, HEADBUTT);

    JAJAJA JAJAJA
    JAJAJAJAJAJAJAJAJAJAJAJA
```