



# EXERCISES — Fibo

---

version #



IT IS MY JOB TO MAKE SURE YOU DO YOURS.

# Copyright

This document is for internal use at EPITA ([website](#)) only.

Copyright © 2021-2022 Assistants <[assistants@tickets.assistants.epita.fr](mailto:assistants@tickets.assistants.epita.fr)>

**The use of this document must abide by the following rules:**

- ▷ You downloaded it from the assistants' intranet.\*
- ▷ This document is strictly personal and must **not** be passed onto someone else.
- ▷ Non-compliance with these rules can lead to severe sanctions.

## Contents

1	Fibo	3
1.1	Goal . . . . .	3

---

\*<https://intra.assistants.epita.fr>

# 1 Fibo

**Files to submit:**

- fibo/fibo.c

**Main function:** None

**Authorized headers:** You are only allowed to use the functions defined in the following headers:

- assert.h
- stddef.h
- errno.h
- err.h

## 1.1 Goal

Write the function that computes the *Fibonacci sequence* recursively. This sequence is defined by  $U_n$  as follow:

- $U_0 = 0$
- $U_1 = 1$
- $U_n = U_{n-1} + U_{n-2}$

```
unsigned long fibonacci(unsigned long n)
```

*It is my job to make sure you do yours.*