VG101 — Introduction to Computer and Programming

Worksheet (chapter 4)
Manuel — UM-JI (Summer 2019)

Worksheet concept

- Simple exercises based on the slides

- Optional personal work

- No submission, no grading

- Only refer to websites in English

Ex. 1 — *Slide questions*
Ensure you can answer all the questions appearing in chapter 4.

Ex. 2 — *Plotting*
Use the function `plot` to draw basic geometrical shapes in MATLAB.

Ex. 3 — *2-complement*

1. Write an algorithm that prompt the user for an integer and returns its 2-complement.
2. Implement the previous algorithm in Matlab.

Ex. 4 — *Structure*

1. Define a structure that contains the chapter number, the title of the chapter, and the number of slides in this chapter.
2. Return the title of the longest and shortest chapters in the course as well as how many slides compose each of them.