

VG101 — Introduction to Computer and Programming

Worksheet (chapter 8)

Manuel — UM-JI (Fall 2018)

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 8.

Ex. 2 — *Reading*

Read on the topics of

1. Divide and conquer algorithms.
2. Complexity.

Ex. 3 — *File I/O*

Redo any of the exercise in the previous worksheets where the user is expected to input information on the keyboard and the result is displayed on the screen. This time read the information from a file and dump the output into another file.

Ex. 4 — *Recursion*

1. Implement the algorithm on slide 3.20.
2. Implement the algorithm on slide 3.21.