

- Remain polite, courteous, respectful and constructive throughout the evaluation process. The well-being of the community depends on it.

- Identify with the person (or the group) evaluated the eventual dysfunctions of the work. Take the time to discuss and debate the problems you have identified.

- You must consider that there might be some difference in how your peers might have understood the project's instructions and the scope of its functionalities. Always keep an open mind and grade him/her as honestly as possible. The pedagogy is valid only and only if peer-evaluation is conducted seriously.

## Guidelines

You must compile with clang++, with -Wall -Wextra -Werror

As a reminder, this project is in C++98 and C++20 members functions or containers are NOT expected.

Any of these means you must not grade the exercise in question:

- A function is implemented in a header (except in a template)
- A Makefile compiles without flags and/or with something other than clang++

Any of these means that you must flag the project as Forbidden Function:

- Use of a "C" function (\*alloc, \*printf, free)
- Use of a function not allowed in the subject
- Use of "using namespace" or "friend"
- Use of an external library, or C++20 features

## Attachments

 subject.pdf (<https://cdn.intra.42.fr/pdf/pdf/14429/en.subject.pdf>)

## Exercise 00: Scalar conversion

*This exercise shows usage of the static\_cast.*

### Scalar conversion

Is the program running as intended, and did the student use the static\_cast to convert values? We'll accept the use of implicit casts for promotion casts only.

Anyway, please don't be too uncompromising towards the exercise's outputs if the spirit of the exercise is respected. Failing this exercise does not prevent from grading the next ones. I know this exercise can be cryptic to some students.

☒ Yes

☐ No

## Exercise 01: Serialization

*This exercise shows usage of the reinterpret\_cast.*

### Retyping of raw data

Is the program running as intended, and did the student use the reinterpret\_cast to retype the raw data?

Remember that the raw data pointed to by the void \* must be 52 bytes (24+4+24) contiguous on the heap.

☒ Yes

☐ No

## Exercise 02: Identify real type