

Introduction

The subject of this project is rather vague and leaves a lot to the user's choice. This is INTENDED. The questions in this grading scale, however, are very focused and concentrate on what we think is the core of each exercise, what we want you to grasp. So we would like you to do the same : You can and should tolerate moderate deviations in filenames, function names, etc ... as long as the exercise basically works as intended. Of course, in case the student you are grading really strayed too far, you should not grade the exercise in question at all. We leave it to your good judgement to determine what constitutes "straying too far".

Guidelines

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

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++
- A class is not in Coplien's form

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


- Use of a "C" function (*alloc, *printf, free)
- Use of a function not allowed in the subject
- Use of "using namespace" or "friend" (Unless explicitly allowed in the subject)
- Use of an external library, or C++11 features (Unless explicitly allowed in the subject)
- Use of "C" legacy cast

Ratings

Define the type of error (if there is an error), which ended the correction.

☒ Ok☐ Empty work☐ Incomplete work☐ No author file☐ Invalid compilation☐ Norme☐ Cheat☐ Crash

Attachments

 Subject (/uploads/document/document/118/9a40e38273fde75ff42c0c3ed2e6b8b3-d06.en.pdf)

Sections

Exercise 00: Scalar conversion

This exercise shows usage of the static_cast.

Scalar conversion

Is the program running as intended, and did the student used the static_cast to converts values ? We'll accept the use of implicit casts for promotion casts only.

Anyway, please don't be too much 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 used the reinterpret_cast to retype the raw data ?
Remember that the raw data pointed by the void * must be 20 bytes (8+4+8) contiguous on the heap.

☒ Yes☐ No

Exercise 02: Identify real type

This exercise shows usage of the dynamic_cast.

Real type identification

Is the program running as intended, and did the student used the dynamic_casts to identify the real type ?
(In case you're wondering, the header must not appear anywhere.)

☒ Yes☐ No

CONCLUSION

Leave a comment on this correction

* (required) Comment

Finish correction