

hopark

(https://profile.intra.42.fr)

Remember that the quality of the defenses, hence the quality of the of the school on the labor market depends on you. The remote defences during the Covid crisis allows more flexibility so you can progress into your curriculum, but also brings more risks of cheat, injustice, laziness, that will harm everyone's skills development. We do count on your maturity and wisdom during these remote defenses for the benefits of the entire community.

SCALE FOR PROJECT CPP MODULE 02 (/PROJECTS/CPP-MODULE-02)

You should evaluate 1 student in this team



Git repository

git@vogsphere.42seoul.kr:vogsphere/intra-uuid-27e701d1-6d



Introduction

- Only grade the work that is in the student or group's GiT repository.
- Double-check that the GiT repository belongs to the student or the group. Ensure that the work is for the relevant project and also check that "git clone" is used in an empty folder.
- Check carefully that no malicious aliases were used to fool you and make you evaluate something other than the content of the official repository.
- To avoid any surprises, carefully check that both the evaluating and the evaluated students have reviewed the possible scripts used to facilitate the grading.
- If the evaluating student has not completed that particular project yet, it is mandatory for this student to read the entire subject prior to starting the defence.
- Use the flags available on this scale to signal an empty repository, non-functioning program, a norm error, cheating etc. In these cases, the grading is over and the final grade is 0 (or -42 in case of cheating). However, with the exception of cheating, you are encouraged to continue to discuss your work (even if you have not finished it) in order to identify any issues that may have caused this failure and avoid repeating the same mistake in the future.

- Remember that for the duration of the defence, no segfault, no other unexpected, premature, uncontrolled or unexpected termination of the program, else the final grade is 0. Use the appropriate flag.

You should never have to edit any file except the configuration file if it exists. If you want to edit a file, take the time to explicit the reasons with the evaluated student and make sure both of you are okay with this.

- You must also verify the absence of memory leaks. Any memory allocated on the heap must be properly freed before the end of execution.

You are allowed to use any of the different tools available on the computer, such as leaks, valgrind, or e_fence. In case of memory leaks, tick the appropriate flag.

Disclaimer

Please respect the following rules:

- 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
- Use of an already existing container, or any existing function, to implement another container

Attachments

subject.pdf (https://cdn.intra.42.fr/pdf/pdf/26280/en.subject.pdf)

Exercise 00: My First Canonical

This exercice introduces the notion of canonical class with a simple arithmetic exemple: the fixed point numbers.

Makefile

There is a Makefile that compiles using the appropriate flags.

✓ Yes

 \times No

Accessors

The Fixed class (or whatever its name) must provide accessors to the raw value:

- int getRawBits(void) const;
- void setRawBits(

int const raw):

Are these member functions present and functional?

✓ Yes

 \times No

Canonical

A canonical class must provide at least:

- A default constructor
- A destructor
- A copy constructor
- An assignation operator

Are these elements present and functional?

✓ Yes

 \times No

Exercise 01: Towards a more useful fixed point class

Ex00 was a good start, but our class is still pretty useless being only able to represent the fixed point value 0.0.

Makefile

There is a Makefile that compiles using the appropriate flags.

✓ Yes

 \times No

Floating point constructor

Is it possible to construct an instance from a floating point value?

⊗ Yes	×N₀
< operator	
there a << operator overload and is it functional?	
⊗ Yes	\times No
xed point value to integer value	
member function "int toInt(void) const;" that converts the ked point value to an integer value must be present. Is it func	tional?
⊗ Yes	×No
xed point value to floating point value	
member function \"float toFloat(void) const;\" that conver e fixed point value to a float value must be present. Is it func	
⊗ Yes	×No
nteger constructor	
it possible to construct an instance from an integer value?	
	imesNo
exercise 02: Now we're ta	•
Nakefile	
nere is a Makefile that compiles using the appropriate flags.	
⊗ Yes	$ imes_{No}$
ivision	
ne class must provide a division operator. Is it present and fur	nctional?
⊗ Yes	imesNo
ne class must provide a division operator. Is it present and fur	

Exercise 03: BSP

Makefile				
There is a Makefile that comp	piles using the appro	opriate flags.		
⊗	Yes		imesNo	
Class Point				
There is a class Point which ho It also has a constructor that t			values.	
⊗	Yes		$ imes_{No}$	
Function bsp				
There is a function bsp which "bool bsp(Point const a, Poir		st c Point const point)"		
The function returns True if the		·	vertices a, b, and c	2.
The function returns True if the It returns False otherwise.		·	vertices a, b, and α $ imes$ No	с.
The function returns True if the lt returns False otherwise.	e point is inside of th	·		c.
The function returns True if the It returns False otherwise.	e point is inside of the	e triangle described by the v		5.
The function returns True if the It returns False otherwise.	e point is inside of the	e triangle described by the v		5.
The function returns True if the It returns False otherwise. Main and tests There is a main to test that the Run several test to make sure	Yes function bsp works that the return value	e triangle described by the v	×No	<u></u>
The function returns True if the It returns False otherwise. Main and tests There is a main to test that the Run several test to make sure	Yes function bsp works that the return value	s as metined above.	×No	5.
The function returns True if the It returns False otherwise.	Yes function bsp works that the return value	s as metined above.	×No	5.
The function returns True if the It returns False otherwise. Main and tests There is a main to test that the Run several test to make sure Ratings Don't forget to check the flag	Yes function bsp works that the return value	te triangle described by the variangle described by the variance as metined above. The is correct. The defense is triangle described by the variance as metined above.	×No	堂 Crash

Conclusion

Leave a comment on this evaluation



Finish evaluation

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