\equiv Q (https://profile.intra.42.fr/searches)

bogoncha

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

SCALE FOR PROJECT ABSTRACT VM (/PROJECTS/ABSTRACT-VM)

You should evaluate 1 student in this team



Git repository

vogsphere@vgs.42.us.or



Introduction

Please respect the following rules:

- Remain polite, courteous, respectful and constructive throughout the correction process. The well-being of the community depends on it.
- Identify with the person (or the group) graded 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

- 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 was 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 correcting and the corrected students have reviewed the possible scripts used to facilitate the grading.
- If the correcting 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.

Attachments

Subject (/uploads/document/document/995/abstract-vm.en.pdf)

Preliminaries

Preliminaries tests

Check firstly the following elements:

- There is something in the git repository.
- No cheating (All functions are authorised, the student can explain the code, ...)

If an element isn't implemented as explained in the subject, the grading ends. Use the appropriate flag. You're allowed to debate some more.



 \times No

Feature's testing

Test 1

Run the following program:

push int32(42)

Test 4 Run the following prograi	m·		
	⊗ Yes	×N₀	
Does the program stops p	properly because of the overflo	ow error?	
push int16(999999999999999999999999999999999999	999999999999999)		
Run the following program	m:		
Test 3			
	⊗ Yes	imesNo	
Does the program stops p	properly because of the 0 divis	ion?	
exit			
push int32(32) push int32(0) div			
Run the following program	m:		
Test 2			
	⊗ Yes	×No	
Does the program execut			
exit			
pop assert double(42.42)			
dump			
commentaire de ouf oush int32(42)			
oush double(42.42)			

	⊘ Yes	XNo	
est 5			
Run the following prog	ram:		
oop exit			
Does the program stop	s properly because of an empty stack?		
	⊗ Yes	imesNo	
Test 6			
Run the following prog	ram:		
oush int32(42) assert int32(0) exit			
Does the program stop	s properly on an assert error?		
	⊗ Yes	×No	
Test 7			
Run the following prog	ram:		
oush int32(42) add exit			
	s properly on a missing operand?		
		V	
	⊘ Yes	×No	
Test 8			

push int8(108);l push int8(112);p print pop print pop print pop print pop		
print pop print pop print pop print pop		
pop print pop print pop		
print pop print pop		
pop print pop		
print pop		
рор		
print		
print		
рор		
print		
рор		
exit		
Does the program run properly and display the following output? p 0 p		
I		
✓ Yes	\times No	
Custom test		
Run your own tests. For example, run operation with mixed types, really big or really small numbers (overflow and underflow excluded).		
Does the program run as expected?		
	imesNo	
Difficult custom test		
Run a really complicated program of your invention (a vicious test		
basically).		
Does the program run as expected?		
	imesNo	

Implementation

Inputs	
The VM must be able to read either from a file or from the standard input (with a ;; to end the input)	
	imesNo
Stack	
The VM countains a "stack". It can't be a std::stack except if rigorously justified (std::stack isn't iterable, it can at best	
be used as a base class).	
⊗ Yes	imesNo
Polymorphic operands	
Are operand manipulated polymorphicaly through IOperand *.	
If not, the project is off topic. Click on the "crash" flag, the grading stops but you're allowed to debate some more.	
⊗ Yes	×No
Operand factory	
There must be an operand "factory" implementing the following function:	
IOperand * SomeClass::createOperand(eOperandType type, const std::string	& value);
⊗ Yes	imesNo
Precision management	
The VM manages precision in a non trivial way - An if forest or any other disgusting thing. An enum is totally acceptable for example.	
⊗ Yes	imesNo
Parser	
The VM has a clean and clomplete parsing?	
⊘ Yes	imesNo
Exceptions	

The VM must use exceptions to manage errors.

Select the corresponding grade:

- No exceptions: 0
- Scalar exceptions (string, char*, int, ...): 1
- Use of pre-made exceptions (only std::exception ou autre): 2
- Use of custom exceptions custom inheriting from std::exception: 3
- Use of custom exceptions custom inheriting from a more specific class than std::exception: 4

Rate it from 0 (failed) through 5 (excellent)		

Bonus

Complete verification

The VM is capable of ouputing every error in a file, and doesn't stop at the first error met (interpretation excluded).

✓ Yes

 \times No

Advanced parsing

The parsing is well structured, more specifically a lexer / parser combo with well defined roles as it should be in reality.

✓ Yes

 \times No

Other bonus

Count in this section the different bonuses. You can grade up to 5 distinctive bonuses.

Each bonus must be:

- At the very least useful (up to you)
- Well implemented and 100% functional



Ratings Don't forget to check the flag corresponding to the defense **✓** Ok ★ Outstanding project Empty work Incomplete work No author file nvalid compilation **∄** Norme T Crash Incomplete group Cheat O Forbidden function Conclusion Leave a comment on this evaluation Finish evaluation

General term of use of the site (https://signin.intra.42.fr/legal/terms/6)

Privacy policy (https://signin.intra.42.fr/legal/terms/5)

Legal notices (https://signin.intra.42.fr/legal/terms/3)

Declaration on the use of cookies (https://signin.intra.42.fr/legal/terms/2)

Terms of use for video surveillance (https://signin.intra.42.fr/legal/terms/1)

Rules of procedure (https://signin.intra.42.fr/legal/terms/4)