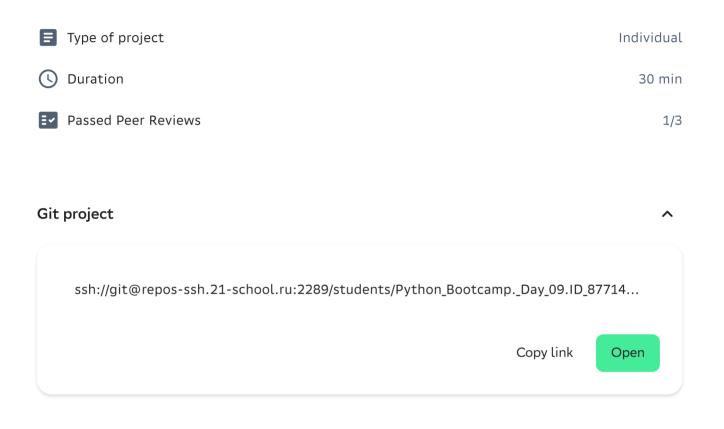
3/19/23, 5:39 РМ Школа 21

← Project review - APP1 Bootcamp. Day09







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level 9



Introduction

The methodology of School 21 makes sense only if peer-to-peer reviews are done seriously. Please read all guidelines carefully before starting the review.

- Please, stay courteous, polite, respectful and constructive in all communications during t his review.

3/19/23, 5:39 РМ Школа 21

- Highlight possible malfunctions of the work done by the person and take the time to disc uss and debate it.

- Keep in mind that sometimes there can be differences in interpretation of the tasks and t he scope of features. Please, stay open-minded to the vision of the other.
- If you have not finished the project yet, it is compulsory to read the entire instruction bef ore starting the review.

Guidelines

- Evaluate only the files that are in src folder on the GIT repository of the student or group.
- Ensure to start reviewing a group project only when the team is present in full.
- Use special flags in the checklist to report, for example, an "empty work" if repository do es not contain the work of the student (or group) in the src folder of the develop branch, or "cheat" in case of cheating or if the student (or group) are unable to explain their work at a ny time during review as well as if one of the points below is not met. However, except for cheating cases, you are encouraged to continue reviewing the project to identify the proble ms that caused the situation in order to avoid them at the next review.
- Doublecheck that the GIT repository is the one corresponding to the student or the group.
- Meticulously check that nothing malicious has been used to mislead you.
- In controversial cases, remember that the checklist determines only the general order of the check. The final decision on project evaluation remains with the reviewer.

Main part

Exercise 00 - Still Counts

- Only files 'calculator.c' and 'setup.py' are present
- A resulting Python module can be installed with 'python setup.py install', C code is comp iled during installation
- Functions 'add', 'sub', 'mul', 'div' are written in C and implement correspondent mathem atical operations
- Zero division is handled and raises a proper built-in Python ZeroDivisionError



Exercise 01 - Split-Second

- File "monotonic.py" is present and includes function "monotonic()"
- Ctypes is used to access monotonic clock function in an OS library. No other third-party w rappers are used
- Function returns a number of seconds from a system monotonic clock

3/19/23, 5:39 РМ Школа 21



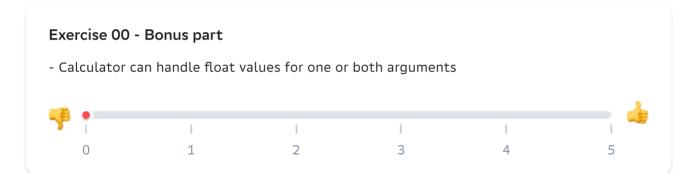
Exercise 02 - Autopilot

Exercise 02 - Bonus part

- Files "multiply.pyx" and "setup.py" are present
- "mul()" function is implemented and works for matrices up to 100x100 in size
- Multiplication work for integer numbers only and raises a Python exception on other input
- "mul()" handles the case when the number of columns in the first matrix is not equal to t he number of rows in the second matrix and raises a meaningful error

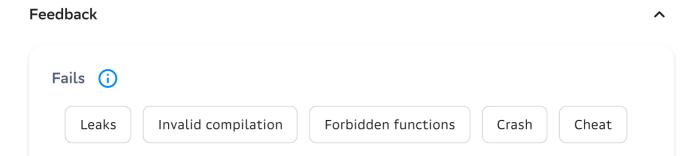


Bonus part



- Submission includes file `test_mul_perf.py` with a test that compares default and Cython -powered implementations. The latter should win!





3/19/23, 5:39 PM

Code style

Empty work

Leave a comment...

✓ Review

https://edu.21-school.ru/checklist/47696961