Project evaluation «Day 03. Threads»

GitLab

Student

About

Introduction

The methodology of School 21 makes sense only if peer-to-peer assessments are done seriously. This document will help you to do it properly.
- Please stay courteous, polite, respectful, and constructive in all communications during this assessment. The bond of trust between community 21 and you depends on it.
- Highlight possible malfunctions of the work done by the person and take the time to discuss and debate it.
- Keep in mind that sometimes there can be differences in interpretation of the tasks and the scope of features. Please stay open-minded to the vision of the other.

- Evaluate only the files that are on the GIT repository of the student or group.
- Doublecheck that the GIT repository is the one corresponding to the student or the group, as well as to the project.
- Meticulously check that nothing malicious has been used to mislead you and have you assessed something except the content of the official repository.
- If you have not finished the project yet, it is compulsory to read the entire instruction before starting the review.
- Use the special flags in the scale to report an empty or non-functional solution, as well as a case of cheating. In these cases, the assessment is completed and the final grade is 0 (or, in a case of cheating, -42). However, except for a case of cheating, you are encouraged to continue reviewing the project to identify the problems that caused the situation in order to avoid them for the next assessment.
- You must stop giving points from the first wrong exercise even if the following exercises are correct.

Preliminaries

Respect the rules:

- The repository contains the work of the student (or group).
- The student is able to explain their work at any time during the assessment.
- The general rules and any rules specific to the day are respected throughout the assessment.

Нет ✓ Да

Main page

Exercise 00 – Egg, Hen... or Human?

- Does the program have two threads for message output (Hen and Egg respectively)?
- Is Human message output only in the end?
- Is the output code of Human message directly stated inside the main method?

- For --count=1000, are there noticeable changes in Hen and Egg messages in the program output (there is competition in threads operation)?

Нет Да

Exercise 01 – Egg, Hen, Egg, Hen...

- Does the program have two threads for message output (Hen and Egg respectively)?
- Do Egg and Hen messages alternate in the output?

Нет ✓ Да

Exercise 02 – Real Multithreading

- Does the program output the result calculated without the use of threads?
- Does each thread do counting only in a specific section of an array?
- Are section sizes equal (except for the last section)?
- Does the result calculated without the use of threads equal the "multi-threaded result"?

Нет ✓ Да

Exercise 03 – Too Many Threads...

Use your set of files to check all items.
- Does the file download functionality work properly (as long as your file set contains valid and available URLs)?
- Is each file downloaded only once?
- When the number of threads is half that of files, does each thread receive a task for at least a single download?
- If a single thread is used, does it download all specified files?
- Does the program work properly if number of threads exceeds the number of files?
- Does the program download all files without throwing any exceptions? (It is possible that the system downloads all files yet throws exceptions during operation?)

Нет ✓ Да

Fails

Invalid compilation | Cheat | Leaks | Norme | Empty work | Crash | Forbidden functions

Comment

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Evaluate

Type of project	Personal
Duration	30 min
Passed checks	0/2