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Project evaluation «Day 00. Structures and arrays»

GitLab

`ssh://git@repos-ssh.21-school.ru:2289/students/Day_00.`[Go to GitLab](#)

Student

**java1mlaureen**

0 level

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.

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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 are respected throughout the assessment.

Main part



Exercise 00 – Sum of Digits

- Does the number in the code have six digits?
- Is the variable for value storage declared as number?
- Is it true that maximum 8 variables are used?
- Is it true that changing the operand to any six-figure number does not result in modification of other part of the code, and application operability is retained? (e. g. `int number = 479598; int result = 4 + 7 + 9 + 5 + 9 + 8;`)

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Is the number of iterations output by the program no greater than the numbers specified in examples?

- Does the system output `IllegalArgumentException` for 0?
- Does the system output `IllegalArgumentException` for 1?
- Is the number of iterations for numbers 2 and 3 equal to 1?
- Does the program exit with code -1 when errors occur? (`System.exit`)
- Does `IllegalArgumentException` message output via `System.err`?

Exercise 02 – Endless Sequence (or not)

- If 42 is entered into the program immediately, will it exit with output 'Count of coffee-request - 0'?
- Does the program output a correct result if numbers are not entered in a new line, rather sequentially, and separated by a space?
- Is the "-" signed separated by a space on both sides?

Exercise 03 – A Little Bit of Statistics

- Does the program output correct response for the following input data?

Week 1

5 6 7 8 9

Week 2

5 6 7 8 9

Week 3

5 6 7 8 9

Week 4

5 6 7 8 9

Week 5

5 6 7 8 9

Week 6

5 6 7 8 9

Week 7

5 6 7 8 9

Week 8

5 6 7 8 9

Week 9

5 6 7 8 9

Week 10



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5 6 7 8 9

Week 13

5 6 7 8 9

Week 14

5 6 7 8 9

Week 15

5 6 7 8 9

Week 16

5 6 7 8 9

Week 17

5 6 7 8 9

42

- If weeks are entered in incorrect order, will the program quit with -1 code and IllegalArgumentException via System.err message?
- Is line concatenation within loop for forming the result missing?

Нет

✓ Да

Exercise 04 – A Bit More of Statistics

- Enter Russian text into the program. Are program execution results correct?
- Are letters in the histogram sorted based on count of occurrences in descending order?
- Is the chart scaled for a case when the maximum count of occurrence of a letter is less than 10?
- There is no sorting of the initial array of characters in the program, right?
- Is the number of iterations over the initial array in the program limited by two?
- Does the program work correctly for a line whose length is less than 10?
- Does the program process zero-length lines correctly?
- Will the program work correctly if you enter the text (Ctrl + A, Ctrl + C, Ctrl + V) which is currently displayed in your browser? (Remove "\n" characters in the text beforehand using any text editor).

Нет

✓ Да

Exercise 05 – Schedule

Is the table formatted as in the example? (All indents, spaces, and column widths

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John |

Mike |

Student's name: "%10s"

Lesson: "%1d:00%3s%3d|"

Visit: "%10d|"

- Are intraday lessons sorted by hour?

- Are intramonth lessons sorted by day of month?

- Does the program work correctly if there are multiple lessons in a day?

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Type of project

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