

CODING TEST

C#

REQUIREMENTS

Counting rule 1

For all the words starts with “a” or “A”, count the average length of the words, save the result to file “average_length_of_words_starting_with_a.txt”

Counting rule 2

For all the words starts with “b” or “B”, count the total number of “e” or “E” in the words, save the result to file “count_of_e_in_words_starting_with_b.txt”

Counting rule 3

For all the words starts with “a” or “b” or “c”, get the longest length of the words. Save the result to file “longest_words_starting_with_abc.txt”

Counting rule 4

For all the words starts with “c” or “C”, if the next word starts with “a” or “A”, count the number of this sequence. Save the result to “count_of_sequence_of_words_starting_withs_c_and_a.txt”

Additional Requirements

We want to easily add, stop, and remove the rules, all the characters in the rules should be easily reconfigured. If no new rules added, then existing rules can be reconfigured without restarting the application. If new rules are added, then the code change is minimum.

Notes on implementation

- Please use C#
- Don't build GUIs etc, we're more interested in your approach to solving the given task
- Don't worry about making a command line interface to the application
- Don't use any frameworks, please only use .NET framework build-in assemblies