

Problem 1:

Program for following:

Given a string, find the length of the longest substring without repeating characters. For example, the longest substring without repeating letters for "abcabcbb" is "abc", for which the length is 3. For "bbbb" the longest substring is "b", with the length of 1


Note: You can choose a programming language of your own choice.

Problem 2:

Assume there is a website <https://agrichain.com> which does exactly the same thing as problem 1, it takes the input on home page and then on click of submit button, it navigates to different page where it prints the output for longest substring without repeating letters.

Chrome

← → ↻




Agrichain

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Chrome

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Output is:

123

Write all test cases you would be doing to test the above website. Categorise those cases in manual (you would be doing manually) and automation (you would be automating).

Write web automation script for any one test case that you have mentioned above with high level automation framework(folder/directory structure) to explain which goes where (browser initialisation, web elements, test scenario etc).

Note: There isn't an actual website for this, you can assume locators for all web elements on both pages as per the design shown in above screenshots.

Key Points:

1. Make sure logic of problem 1 is correct
2. Test Cases in Problem 2
3. High level Automation Framework

P.S. Please refrain from copying the solutions available on the internet. Thanks !