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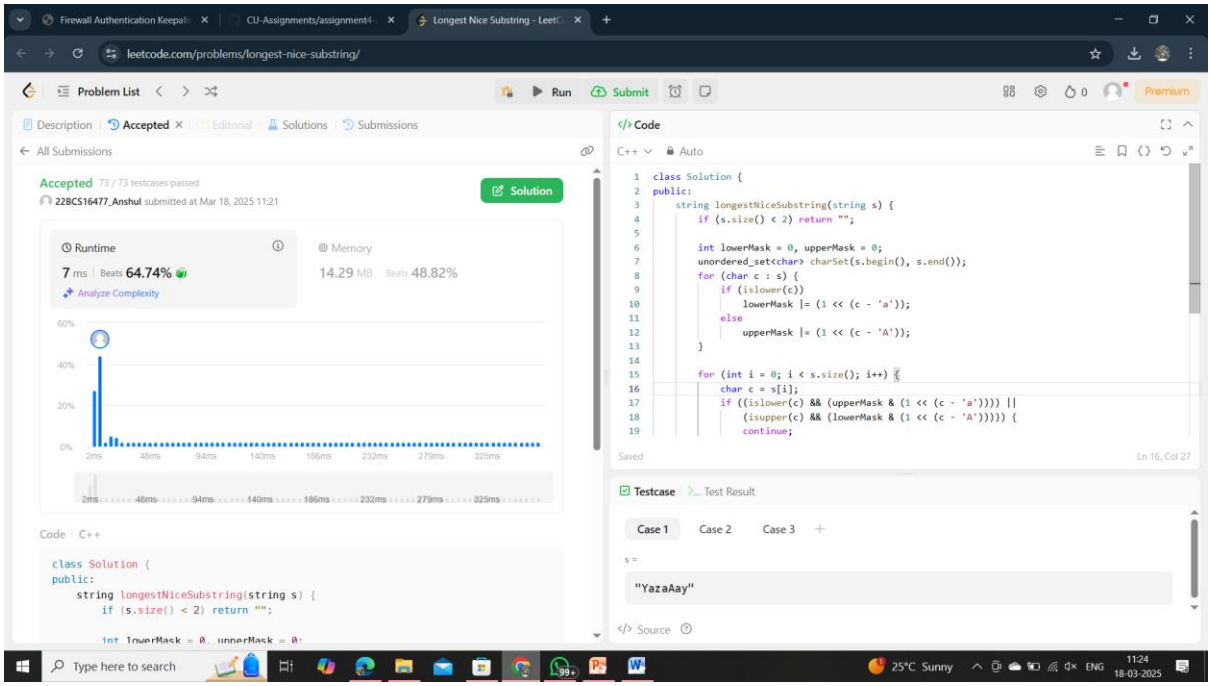
Section/Group: 609(B)

Longest Nice Substring

Code:

```
class Solution {
public:
    string longestNiceSubstring(string s) {
        if (s.size() < 2) return "";
        int lowerMask = 0, upperMask = 0;
        unordered_set<char> charSet(s.begin(), s.end());
        for (char c : s) {
            if (islower(c))
                lowerMask |= (1 << (c - 'a'));
            else
                upperMask |= (1 << (c - 'A'));
        }
        for (int i = 0; i < s.size(); i++) {
            char c = s[i];
            if ((islower(c) && (upperMask & (1 << (c - 'a')))) ||
                (isupper(c) && (lowerMask & (1 << (c - 'A'))))) {
                continue;
            }
            string left = longestNiceSubstring(s.substr(0, i));
            string right = longestNiceSubstring(s.substr(i + 1));
            return left.size() >= right.size() ? left : right;
        }
        return s;
    }
};
```

Output:


Longest Nice Substring - LeetCode
leetcode.com/problems/longest-nice-substring/
Problem List
Run
Submit
Premium
Description
Accepted
Editorial
Solutions
Submissions
All Submissions
Accepted 73 / 73 testcases passed
22BCS16477_Anshul submitted at Mar 18, 2025 11:21
Solution
Runtime
7 ms | Beats 64.74%
Analyze Complexity
Memory
14.29 MB Beats 48.82%
Code
C++
Auto
class Solution {
public:
string longestNiceSubstring(string s) {
if (s.size() < 2) return "";
int lowerMask = 0, upperMask = 0;
unordered_set<char> charSet(s.begin(), s.end());
for (char c : s) {
if (islower(c))
lowerMask |= (1 << (c - 'a'));
else
upperMask |= (1 << (c - 'A'));
}
for (int i = 0; i < s.size(); i++) {
char c = s[i];
if ((islower(c) && (upperMask & (1 << (c - 'a')))) ||
(isupper(c) && (lowerMask & (1 << (c - 'A'))))) {
continue;
Saved
Ln 16, Col 27
Testcase
Test Result
Case 1
Case 2
Case 3
s =
"YazaAay"
Source
Type here to search
25°C Sunny
ENG
11:24
18-03-2025