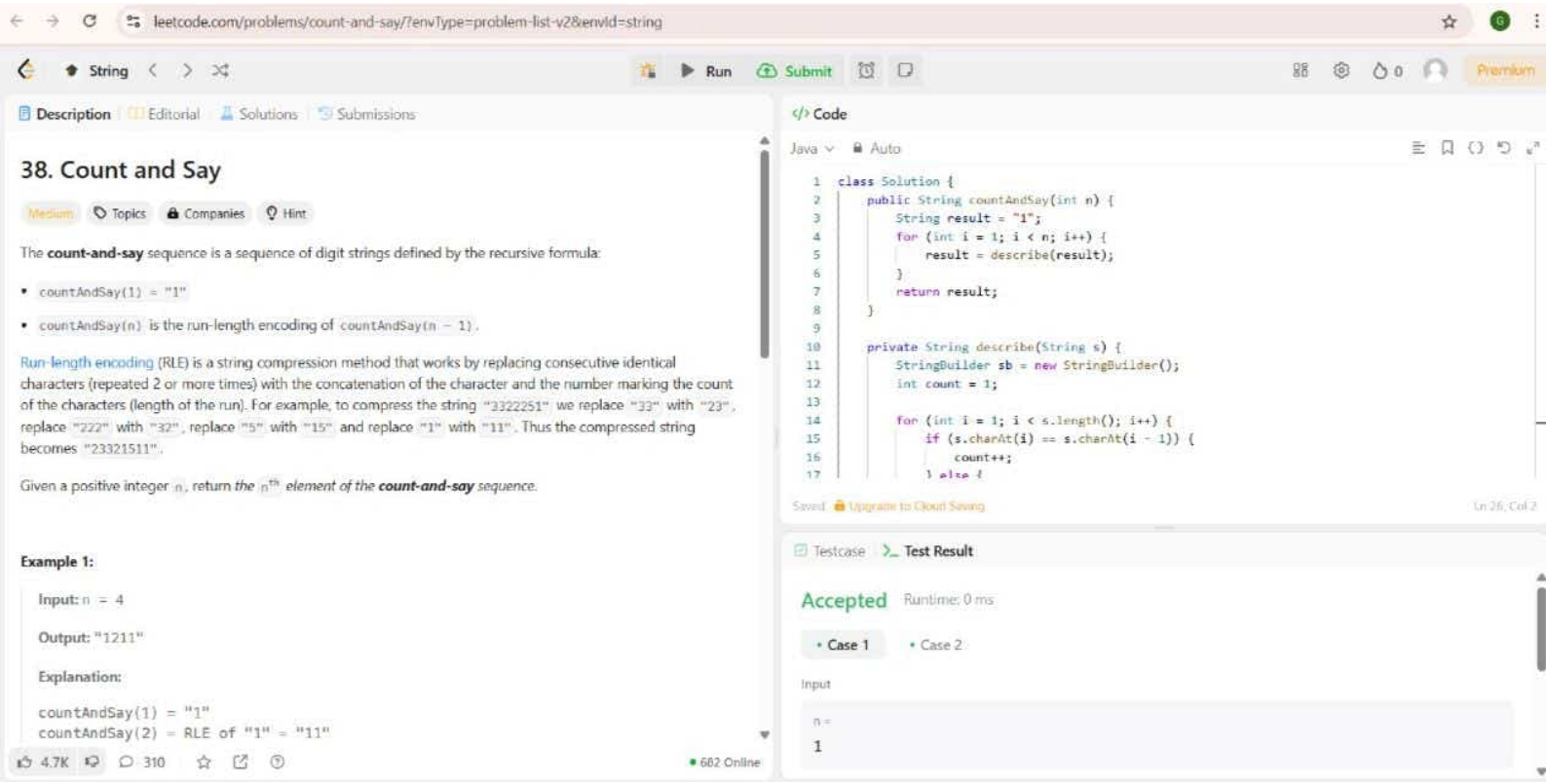
leetcode.com/problems/count-and-say/?envType=problem-list-v2&envId=string
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38. Count and Say
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Hint
The count-and-say sequence is a sequence of digit strings defined by the recursive formula:
countAndSay(1) = "1"
countAndSay(n) is the run-length encoding of countAndSay(n - 1).
Run-length encoding (RLE) is a string compression method that works by replacing consecutive identical characters (repeated 2 or more times) with the concatenation of the character and the number marking the count of the characters (length of the run). For example, to compress the string "3322251" we replace "33" with "23", replace "222" with "32", replace "5" with "15" and replace "1" with "11". Thus the compressed string becomes "23321511".
Given a positive integer n, return the nth element of the count-and-say sequence.
Example 1:
Input: n = 4
Output: "1211"
Explanation:
countAndSay(1) = "1"
countAndSay(2) = RLE of "1" = "11"
4.7K
310
682 Online
Code
Java
Auto
class Solution {
public String countAndSay(int n) {
String result = "1";
for (int i = 1; i < n; i++) {
result = describe(result);
}
return result;
}
private String describe(String s) {
StringBuilder sb = new StringBuilder();
int count = 1;
for (int i = 1; i < s.length(); i++) {
if (s.charAt(i) == s.charAt(i - 1)) {
count++;
Saved
Upgrade to Cloud Saving
Ln 26, Col 2
Testcase
Test Result
Accepted
Runtime: 0 ms
Case 1
Case 2
Input
n =
1