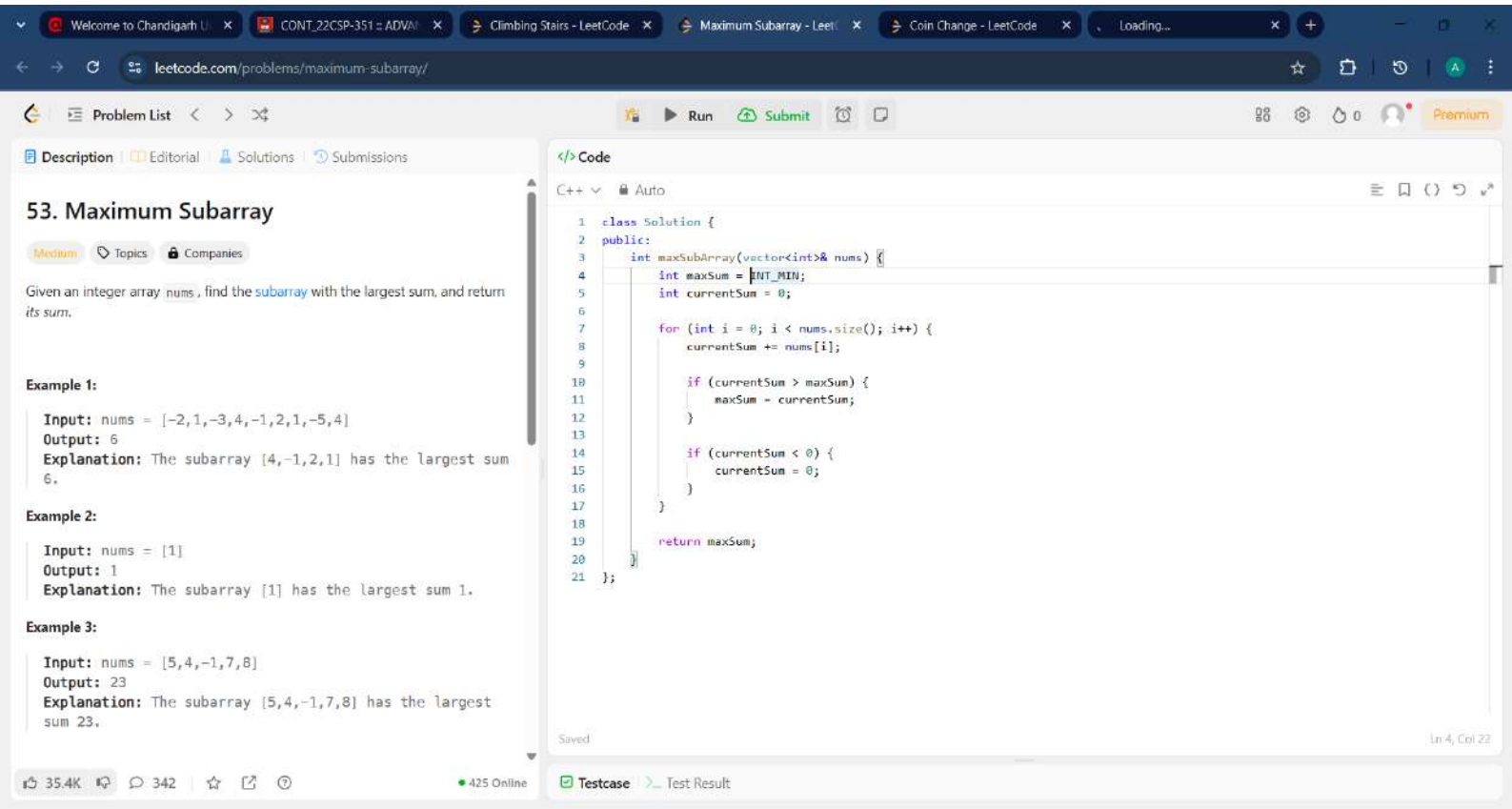
Welcome to Chandigarh U
CONT_22CSP-351 :: ADVA
Climbing Stairs - LeetCode
Maximum Subarray - Leet
Coin Change - LeetCode
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leetcode.com/problems/maximum-subarray/
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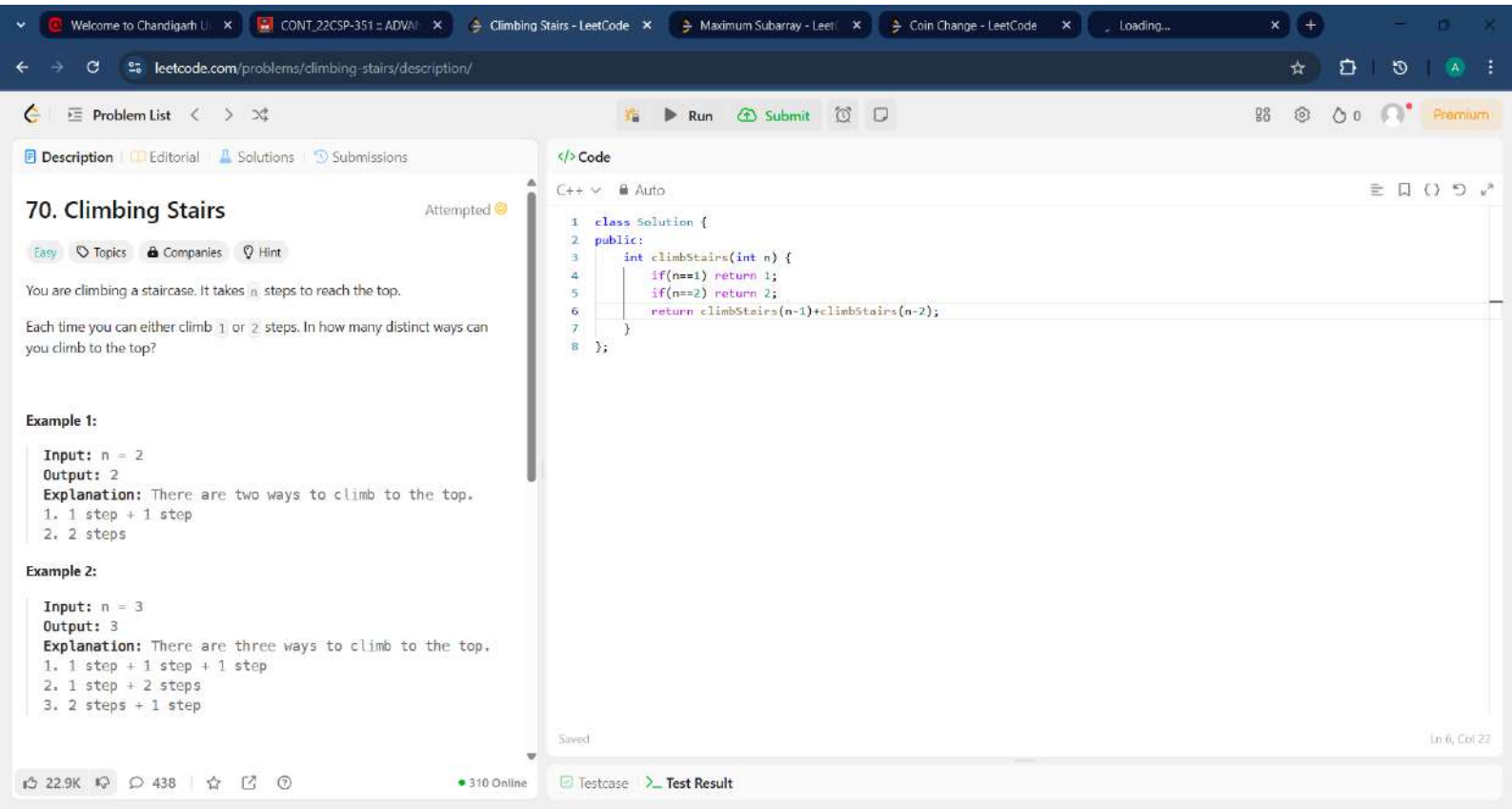
53. Maximum Subarray
Medium
Topics
Companies
Given an integer array nums, find the subarray with the largest sum, and return its sum.
Example 1:
Input: nums = [-2,1,-3,4,-1,2,1,-5,4]
Output: 6
Explanation: The subarray [4,-1,2,1] has the largest sum 6.
Example 2:
Input: nums = [1]
Output: 1
Explanation: The subarray [1] has the largest sum 1.
Example 3:
Input: nums = [5,4,-1,7,8]
Output: 23
Explanation: The subarray [5,4,-1,7,8] has the largest sum 23.
35.4K
342
425 Online
Code
C++
Auto
class Solution {
public:
int maxSubArray(vector<int>& nums) {
int maxSum = INT_MIN;
int currentSum = 0;
for (int i = 0; i < nums.size(); i++) {
currentSum += nums[i];
if (currentSum > maxSum) {
maxSum = currentSum;
}
if (currentSum < 0) {
currentSum = 0;
}
}
return maxSum;
}
};
Saved
Ln 4, Col 22
Testcase
Test Result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leetcode.com/problems/climbing-stairs/description/
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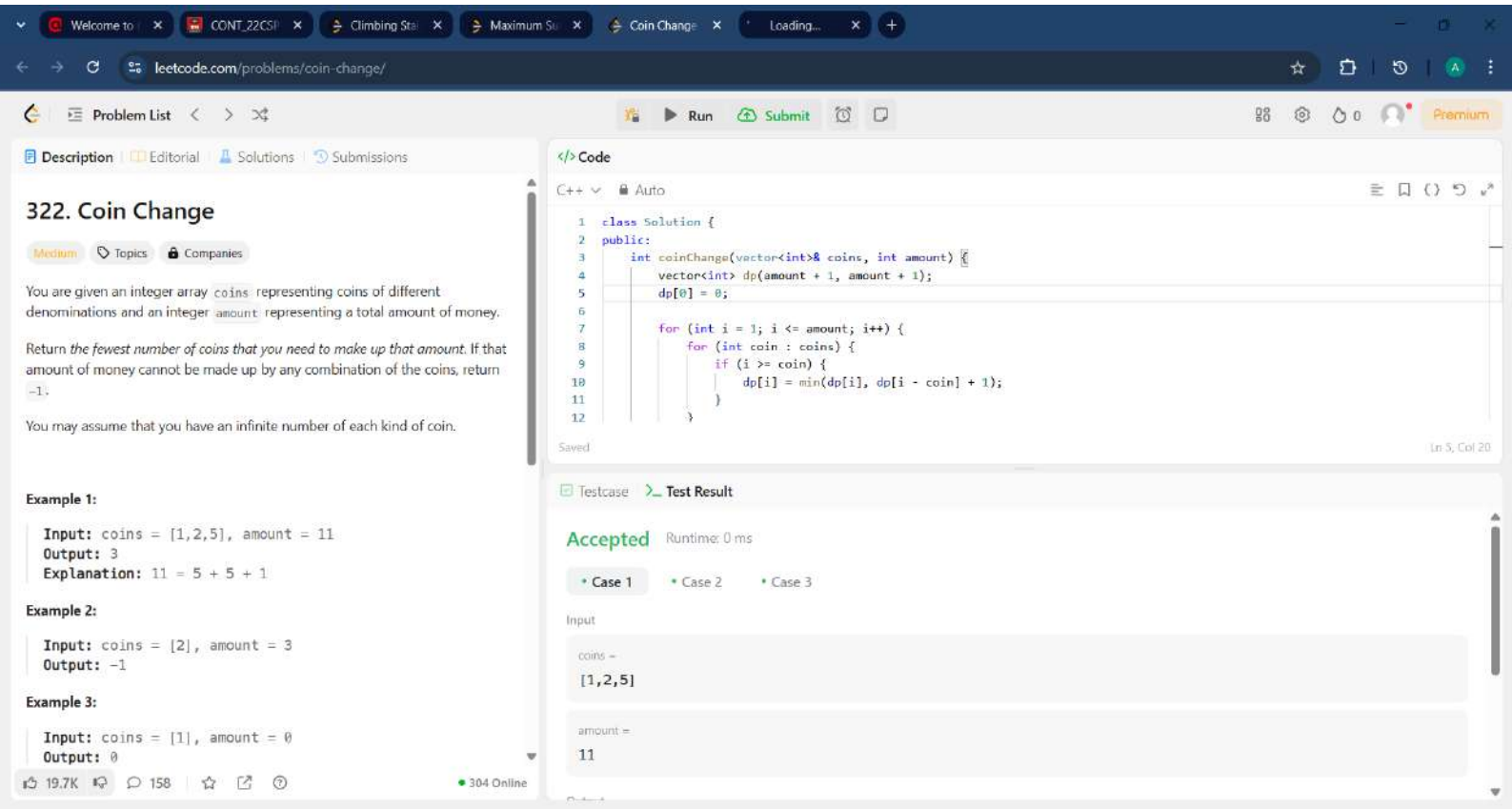
70. Climbing Stairs
Attempted
Easy
Topics
Companies
Hint
You are climbing a staircase. It takes n steps to reach the top.
Each time you can either climb 1 or 2 steps. In how many distinct ways can you climb to the top?
Example 1:
Input: n = 2
Output: 2
Explanation: There are two ways to climb to the top.
1. 1 step + 1 step
2. 2 steps
Example 2:
Input: n = 3
Output: 3
Explanation: There are three ways to climb to the top.
1. 1 step + 1 step + 1 step
2. 1 step + 2 steps
3. 2 steps + 1 step
22.9K
438
310 Online
Code
C++
Auto
class Solution {
public:
int climbStairs(int n) {
if(n==1) return 1;
if(n==2) return 2;
return climbStairs(n-1)+climbStairs(n-2);
}
};
Saved
Ln 6, Col 22
Testcase
Test Result


Welcome to
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Climbing Sta
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Coin Change
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leetcode.com/problems/coin-change/
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322. Coin Change
Medium
Topics
Companies
You are given an integer array coins representing coins of different denominations and an integer amount representing a total amount of money.
Return the fewest number of coins that you need to make up that amount. If that amount of money cannot be made up by any combination of the coins, return -1.
You may assume that you have an infinite number of each kind of coin.
Example 1:
Input: coins = [1,2,5], amount = 11
Output: 3
Explanation: 11 = 5 + 5 + 1
Example 2:
Input: coins = [2], amount = 3
Output: -1
Example 3:
Input: coins = [1], amount = 0
Output: 0
19.7K
158
304 Online
Code
C++
Auto
class Solution {
public:
int coinChange(vector<int>& coins, int amount) {
vector<int> dp(amount + 1, amount + 1);
dp[0] = 0;
for (int i = 1; i <= amount; i++) {
for (int coin : coins) {
if (i >= coin) {
dp[i] = min(dp[i], dp[i - coin] + 1);
}
}
Saved
Ln 5, Col 20
Testcase
Test Result
Accepted
Runtime: 0 ms
Case 1
Case 2
Case 3
Input
coins =
[1,2,5]
amount =
11