 <b>Marwadi University</b>	<b>Marwadi University</b> <b>Faculty of Technology</b> <b>Department of Information and Communication Technology</b>	
<b>Sem : 4</b>	<b>Name : VEDANT BHARAD</b>	
<b>Day : 101</b>	<b>Date : 26/1/2023</b>	<b>Enrollment No: 92100133023</b>

## CP Club 365 Days Challenge

Programming language – C++


### Problem Statement

<https://www.interviewbit.com/problems/best-time-to-buy-and-sell-stocks-ii/>

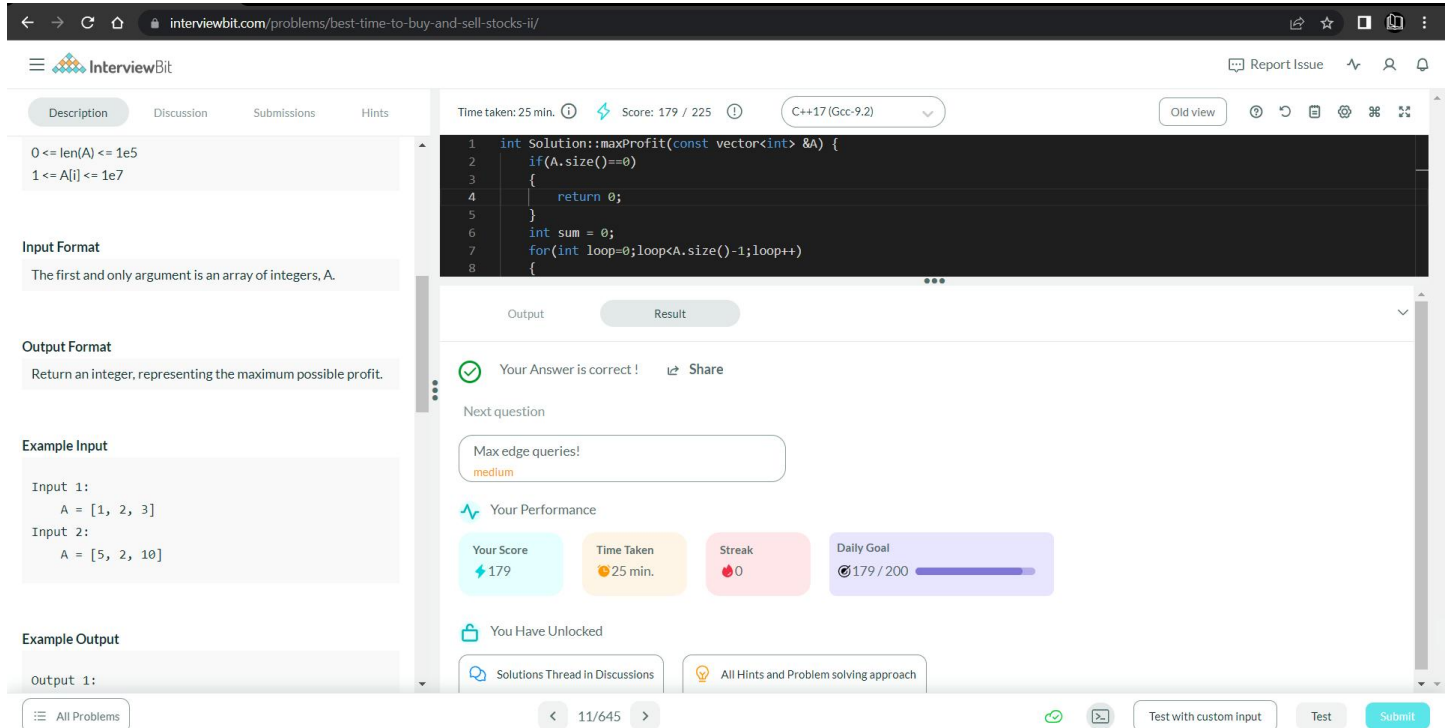
Git :- [https://github.com/Vedantbharad2603/CP\\_club\\_365\\_Days](https://github.com/Vedantbharad2603/CP_club_365_Days)

### Your Code:

```
// 0x101Day of 0x365Days challenge
// VEDANT BHARAD
// 26-1-2023
#include <bits/stdc++.h>
using namespace std;
int Solution::maxProfit(const vector<int> &A) {
    if(A.size()==0)
    {
        return 0;
    }
    int sum = 0;
    for(int loop=0;loop<A.size()-1;loop++)
    {
        if(A[loop+1] > A[loop])
        {
            sum += A[loop+1]-A[loop];
        }
    }
    return sum;
}
int main()
{
    vector<int> v;
    int arr[] = {1, 2, 3};
    int N = sizeof(arr) / sizeof(arr[0]);
    for (int i = 0; i < N; i++)
        v.push_back(arr[i]);
    cout<<maxProfit(v);
    return 0;
}
```

 <b>Marwadi University</b>	<b>Marwadi University</b> <b>Faculty of Technology</b> <b>Department of Information and Communication Technology</b>	
<b>Sem : 4</b>	<b>Name : VEDANT BHARAD</b>	
<b>Day : 101</b>	<b>Date : 26/1/2023</b>	<b>Enrollment No: 92100133023</b>

## Output (Screen Shot):



The screenshot shows the InterviewBit interface for the problem "Best Time to Buy and Sell Stocks II". The user has submitted a C++ solution using G++ 9.2. The solution is correct, with a score of 179/225 and a time taken of 25 minutes. The code implements a greedy algorithm to find the maximum profit by summing all positive price differences between consecutive days.

```

1 int Solution::maxProfit(const vector<int> &A) {
2     if(A.size()==0)
3     {
4         return 0;
5     }
6     int sum = 0;
7     for(int loop=0;loop<A.size()-1;loop++)
8     {

```

Performance metrics shown:

- Your Score: 179
- Time Taken: 25 min.
- Streak: 0
- Daily Goal: 179 / 200

Next question: "Max edge queries!" (medium difficulty).

## Understanding about problem:

- In this task I need to return one int number which is max Profit from given array of Stocks price.

**Note:** If you can't understand the problem, feel free to contact us and we'll help you. Please don't copy and paste from anywhere.

**ALL THE BEST**  
Team CP Club