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|  Marwadi University | Marwadi University Faculty of Technology Department of Information and Communication Technology | |
| Sem : 4 | Name : VEDANT BHARAD | |
| Day : 126 | Date : 19/2/2023 | Enrollment No: 92100133023 |


CP Club 365 Days Challenge

Programming language – C++

Problem Statement

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

Git :- https://github.com/Vedantbharad2603/CP_club_365_Days

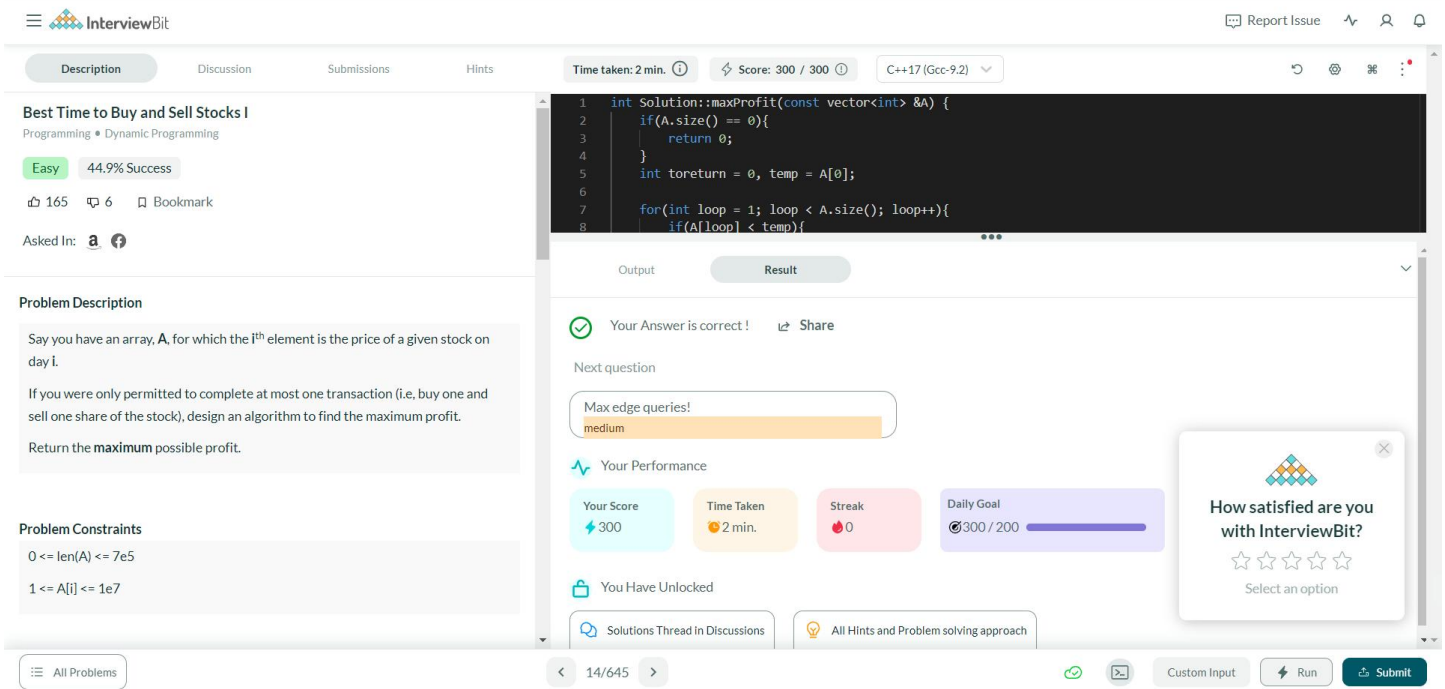
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Your Code:


```
// 0x126Day of 0x365Days challenge
// VEDANT BHARAD
// 18-2-2023
int Solution::maxProfit(const vector<int> &A) {
    if(A.size() == 0){
        return 0;
    }
    int toreturn = 0, temp = A[0];

    for(int i = 1; i < A.size(); i++){
        if(A[i] < temp){
            temp = A[i];
        }
        if(toreturn < A[i] - temp)
        {
            toreturn = A[i] - temp;
        }
    }
    return toreturn;
}
```

Output (Screen Shot):



The screenshot shows the InterviewBit interface for the problem "Best Time to Buy and Sell Stocks I". The problem is categorized as "Easy" with a 44.9% success rate. The user's solution is displayed in the code editor, and the result shows "Your Answer is correct!". The user's performance is also shown, including a score of 300, a time taken of 2 minutes, and a streak of 0. A daily goal progress bar is visible, showing 300/200. A survey prompt asks "How satisfied are you with InterviewBit?" with five stars and a "Select an option" button.

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Understanding about problem:

- In this I need to return maximum possible profit from given array which is price of stock in n day.

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