 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 6	Name : Pushti Depani	
Day : 126	Date : 19/2/2023	Enrollment No: 92000133018

CP Club 365 Days Challenge

Programming language – Any language

Problem Statement

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


<https://github.com/Pushti18/CP-Club-100-onwards->

Your Code:

```
int Solution::maxProfit(const vector<int> &A) {
    int B = 0;
    int C = 0;
    int D = 0;


    for(int i = 0; i < A.size(); i++){
        if(A[i] < B){
            B = A[i];
        }
        D = A[i] - B;
        if(C < D){
            C = D;
        }
    }
    return C;
}
```

Output (Screen Shot):

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Output


Result

 Your Answer is correct !
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Next question

Max edge queries!

medium

 Your Performance

Your Score

⚡ 299

Time Taken


🕒 4 min.


Streak


🔥 0

Daily Goal

🎯 299 / 200

 You Have Unlocked

 Solutions Thread in Discussions

 All Hints and Problem solving approach

Understanding about problem:

In this problem we can buy one time and sell one time. So we will compare the buying and selling price as buying will be higher then selling. And then we will find the profit that will be earned so if we buy at 1 and sell at 4 then we will have profit of 3. And continue this and at last we don't have higher price to sell then return that ans.

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