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;
}</pre>
```

## **Output (Screen Shot):**

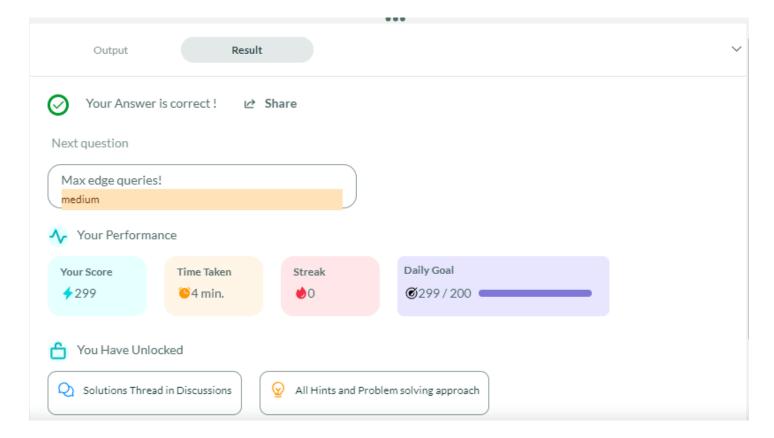


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### **Understanding about problem:**

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 continure 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