	Marwadi University **Faculty of Technology** **Department of Information and Communication Technology**		
Sem : 6	**Name : Pushti Depani**		
Day : 101	**Date : 26/1/2023**	**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-ii/

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

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Your Code:

```python
class Solution:
    # @param A : tuple of integers
    # @return an integer
    def maxProfit(self, A):
        a = float('1e7')
        s =0
        for p in A:
            a = min(a,p-s)
            s = max(s,p-a)
        return s
```

Output (Screen Shot):

	Marwadi University	
![Marwadi University logo]	**Marwadi University** **Faculty of Technology** **Department of Information and Communication Technology**	
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26 6:26 PM	Accepted	C++17	158 ms
2023-01-26 6:14 PM	Accepted	C++17	117 ms
2023-01-26 6:32 PM	Accepted	Python 3	805 ms
2023-01-26 6:30 PM	Accepted	Python 3	588 ms

Understanding about problem:

In this problem we need to find min possible buying price of the stock and max buying price. For buying p-s and for max p-a. Now since we are comparing the buy to find the minimum buying price possible, we will compare it with the initial. Also It is impossible to sell stock on first day, set -infinity as initial value for float. Then return s. also float inf is an integer to represent it as infinity.

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