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PROBLEM -1

WEEK-3-LEETCODE

The screenshot shows a web browser window with the LeetCode website. The page displays the submission details for the problem "Best Time to Buy and Sell Stock". The submission is successful, with a runtime of 2 ms and memory usage of 83.7 MB. The code is written in Java and implements a greedy algorithm to find the maximum profit by buying at the lowest price and selling at the highest price.

Success Details >

Runtime: 2 ms, faster than 93.25% of Java online submissions for Best Time to Buy and Sell Stock.

Memory Usage: 83.7 MB, less than 47.36% of Java online submissions for Best Time to Buy and Sell Stock.

Next challenges:

- Maximum Subarray
- Best Time to Buy and Sell Stock II
- Best Time to Buy and Sell Stock III
- Best Time to Buy and Sell Stock IV
- Best Time to Buy and Sell Stock with Cooldown
- Sum of Beauty in the Array
- Maximum Difference Between Increasing Elements
- Maximum Profit From Trading Stocks

Show off your acceptance: [f](#) [t](#) [in](#)

Time Submitted	Status	Runtime	Memory	Language
07/23/2022 06:56	Accepted	2 ms	83.7 MB	java

```
1 class Solution {
2     public int maxProfit(int[] prices) {
3         int lsf = Integer.MAX_VALUE;
4         int op = 0;
5         int pist = 0;
6
7         for(int i = 0; i < prices.length; i++){
8             if(prices[i] < lsf){
9                 lsf = prices[i];
10            }
11            pist = prices[i] - lsf;
12            if(op < pist){
13                op = pist;
14            }
15        }
16        return op;
17    }
18 }
```

Testcase Run Code Result Debugger

Accepted Runtime: 0 ms

Your input [7,1,5,3,6,4]

Output 5

Expected 5

Console Use Example Testcases Run Code Submit

Problem -2

