Unknown Title

Description

Description

Note

Note

Editorial

Editorial

Solutions

Solutions

Submissions

Submissions

Code

Code

☑

Testcase

Testcase

>_

Test Result

Test Result

121. Best Time to Buy and Sell Stock

Easy

Topics

Companies

You are given an array `prices` where `prices[i]` is the price of a given stock on the i^{th} day.

You want to maximize your profit by choosing a **single day** to buy one stock and choosing a **different day in the future** to sell that stock.

Return *the maximum profit you can achieve from this transaction*. If you cannot achieve any profit, return `0`.

Example 1:

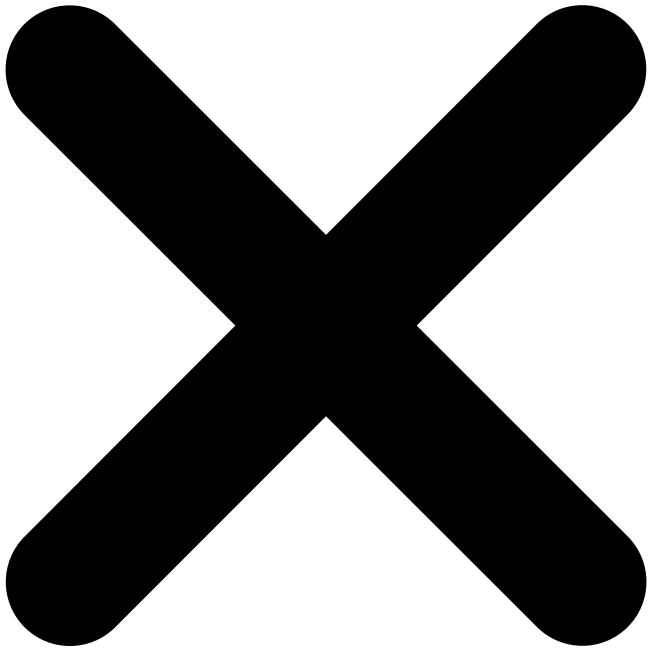
```
Input: prices = [7,1,5,3,6,4]
Output: 5
Explanation: Buy on day 2 (price = 1) and sell on day 5 (price = 6), profit = 6-1 = 5.
Note that buying on day 2 and selling on day 1 is not allowed because you must buy before you sell.
```

Example 2:

```
Input: prices = [7,6,4,3,1]
Output: 0
Explanation: In this case, no transactions are done and the max profit = 0.
```

Constraints:

- `1 <= prices.length <= 10^5`
- `0 <= prices[i] <= 10^4`



Seen this question in a real interview before?

1/5

Yes

No

Accepted

5.3M

Submissions

9.8M

Acceptance Rate

54.2%

Topics

ArrayDynamic Programming

Companies

Discussion (415)

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💡 Discussion Rules

1. Please don't post **any solutions** in this discussion.

2. The problem discussion is for asking questions about the problem or for sharing tips - anything except for solutions.

3. If you'd like to share your solution for feedback and ideas, please head to the solutions tab and post it there.

No comments yet.

1

2

3

4

5

```
class Solution {
    public int maxProfit(int[] prices) {


    }
}
```

Saved

Ln 1, Col 1

prices =

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

1

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

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Source

FindHeaderBarSize

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