Unknown Title

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Submissions

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Code

Code

122. Best Time to Buy and Sell Stock II

Medium

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Topics
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You are given an integer array `prices` where `prices[i]` is the price of a given stock on the ith day.

On each day, you may decide to buy and/or sell the stock. You can only hold **at most one** share of the stock at any time. However, you can buy it then immediately sell it on the **same day**.

Find and return *the **maximum** profit you can achieve*.

Example 1:

```
Input: prices = [7,1,5,3,6,4]
Output: 7
Explanation: Buy on day 2 (price = 1) and sell on day 3 (price = 5), profit = 5-
1 = 4.
Then buy on day 4 (price = 3) and sell on day 5 (price = 6), profit = 6-3 = 3.
Total profit is 4 + 3 = 7.
```

Example 2:

```
Input: prices = [1,2,3,4,5]
Output: 4
Explanation: Buy on day 1 (price = 1) and sell on day 5 (price = 5), profit = 5-
1 = 4.
Total profit is 4.
```
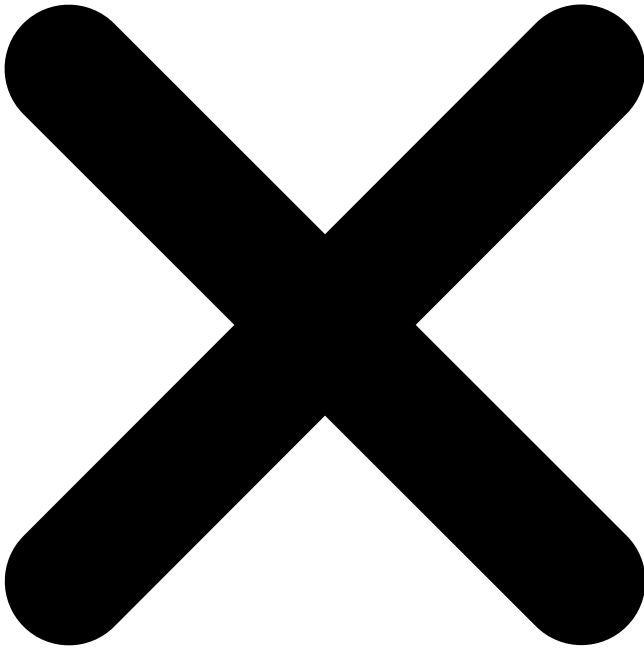
Example 3:

```
Input: prices = [7,6,4,3,1]
Output: 0
Explanation: There is no way to make a positive profit, so we never buy the
stock to achieve the maximum profit of 0.
```

Constraints:

- $1 <= prices.length <= 3 * 10^4$
- $0 <= prices[i] <= 10^4$

Seen this question in a real interview before?

1/5

Yes

No

Accepted

2.1M

Submissions

3.2M

Acceptance Rate

67.8%

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Companies

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Discussion (241)

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💡 Discussion Rules

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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

```java
class Solution {

    public int maxProfit(int[] prices) {


    }

}
```


Saved

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prices =

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

1

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

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Source
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