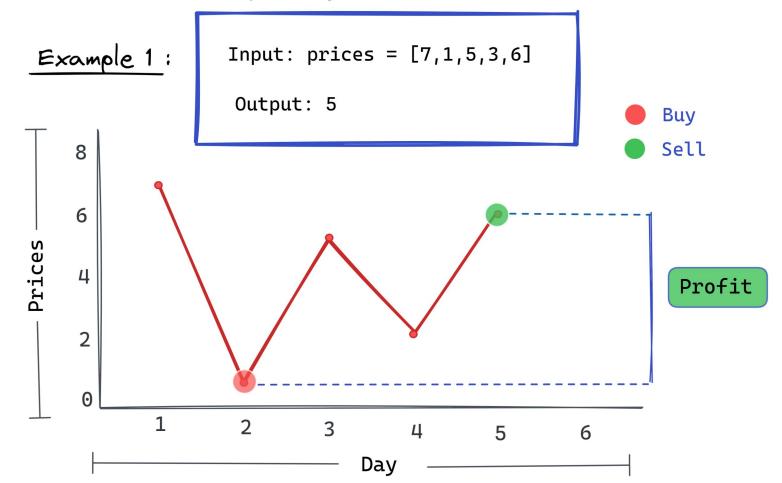
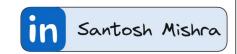
Best Time to Buy and Sell Stock

- → You are given an array prices where prices[i] is the price of a given stock on the ith 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



Brute-Force Approach:

- We need to find out the maximum difference between two numbers in the given array.
- → Also, the second number (selling price) must be larger than the first one (buying price).

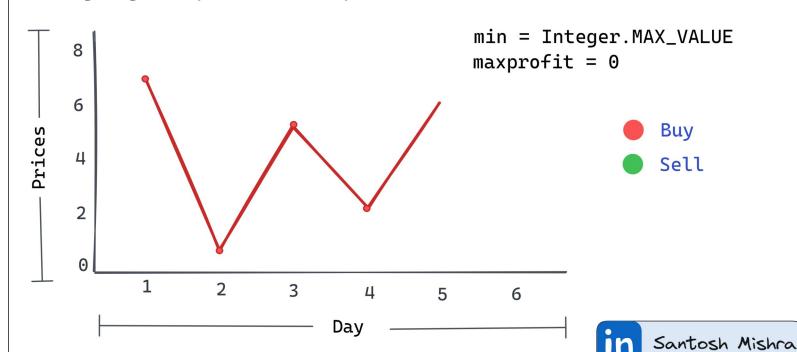


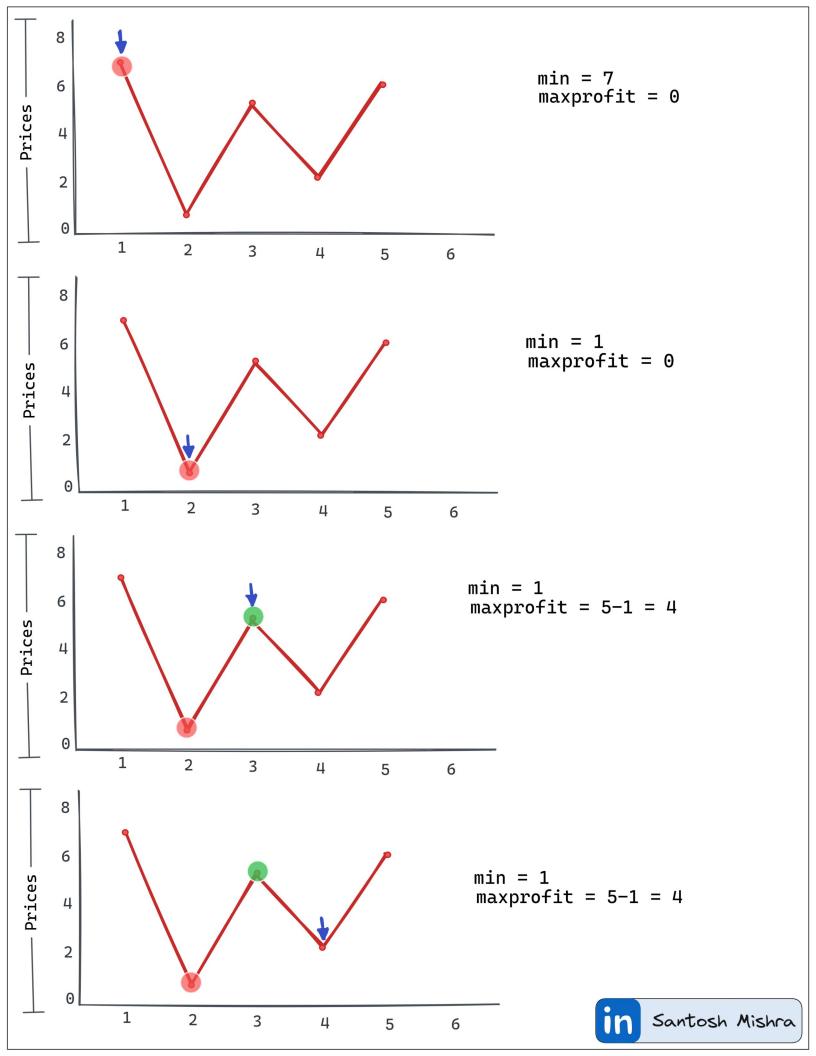
Code:-

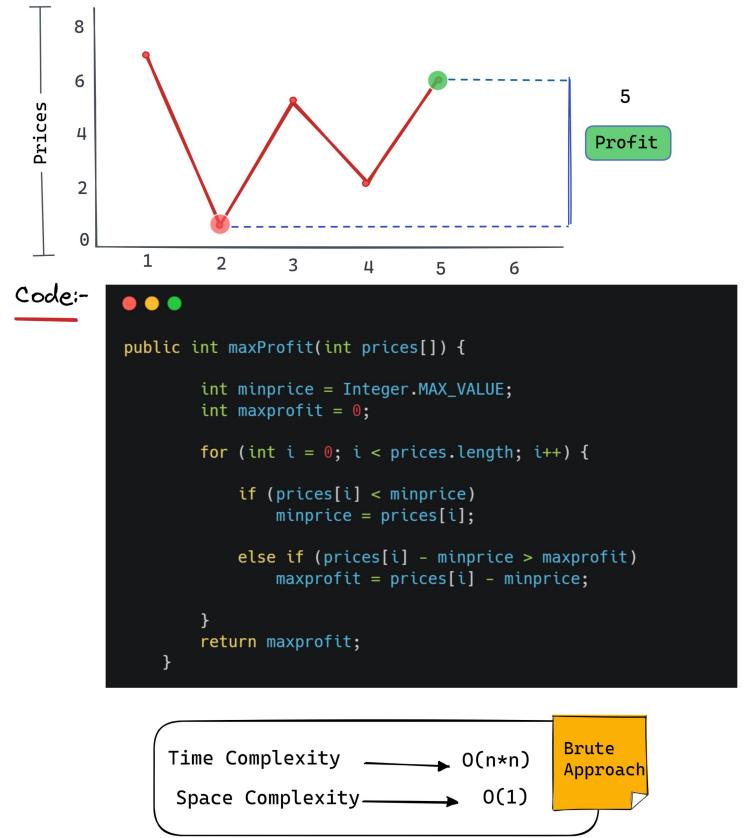
max(prices[j] - prices[i])

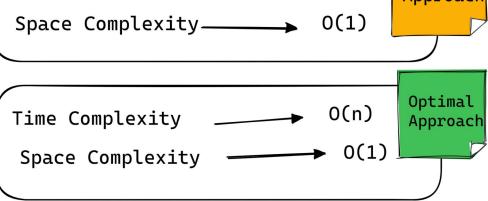
Optimal Approach

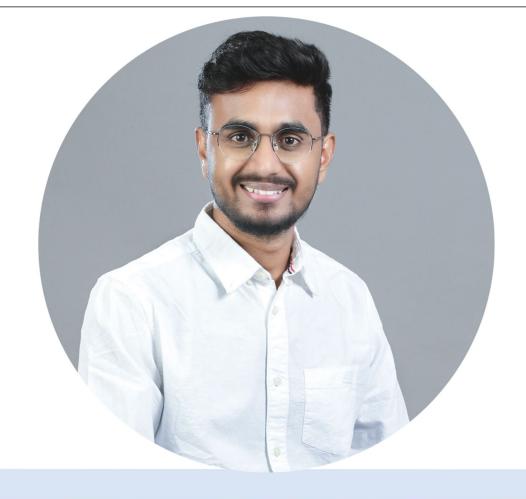
- ightharpoonup we are going to initilize two variables min & max.
- → And if the difference between maxprofit min > maxprofit. Then we are going to update our maxprofit.











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Interview Cafe



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