Best time to buy and sell stock

Question: Say you have an list for which the ith element is the price of a given stock on day i.

If you were only permitted to complete at most one transaction (ie, buy one and sell one share of the stock), design an algorithm to find the maximum profit.

Solutions:

```
class Solution:
    def maxProfit(prices):
        minValue = float("inf")
        maxBenefit = 0
        for price in prices:
            if minValue > price:
                minValue = price
            if maxBenefit < price - minValue:
                maxBenefit = price - minValue
            return maxBenefit
print ( Solution.maxProfit([7, 1, 5, 3, 6, 4]) )
print ( Solution.maxProfit([7, 6, 4, 3, 1]) )</pre>
```