## Week5-Q3

```
def maxProfit(prices):
    if not prices:
        return 0
   min_price = prices[0]
   max_profit = 0
    for price in prices:
       min_price = min(min_price, price)
        current_profit = price - min_price
       max_profit = max(max_profit, current_profit)
    return max_profit
prices = [7, 1, 5, 3, 6, 4]
output = maxProfit(prices)
print("Output:", output)
prices = [7,6,4,3,1]
output = maxProfit(prices)
print("Output:", output)
```



