### **Python DSA**

# https://github.com/im-amit-kumar/Python-DSA/tree/main/Day-5

## 1. Leetcode 121 Best Time to Buy and Sell Stock

https://leetcode.com/problems/best-time-to-buy-and-sell-stock/description/

### Optimal

```
class Solution:
    def maxProfit(self, prices: List[int]) -> int:
        max_profit=0
        min_price= float("inf")
        for i in range(len(prices)):
            min_price = min(min_price, prices[i])
            max_profit = max(max_profit, prices[i]- min_price)
        return max_profit
TC- O(N)
SC- O(1)
```

### 2. Leetcode 2149 Rearrange Array Elements by Sun

https://leetcode.com/problems/rearrange-array-elements-by-sign/description/

#### **Optimal Solution**