DSA Assignment - June 21, 2025

Name : Saksham Umate
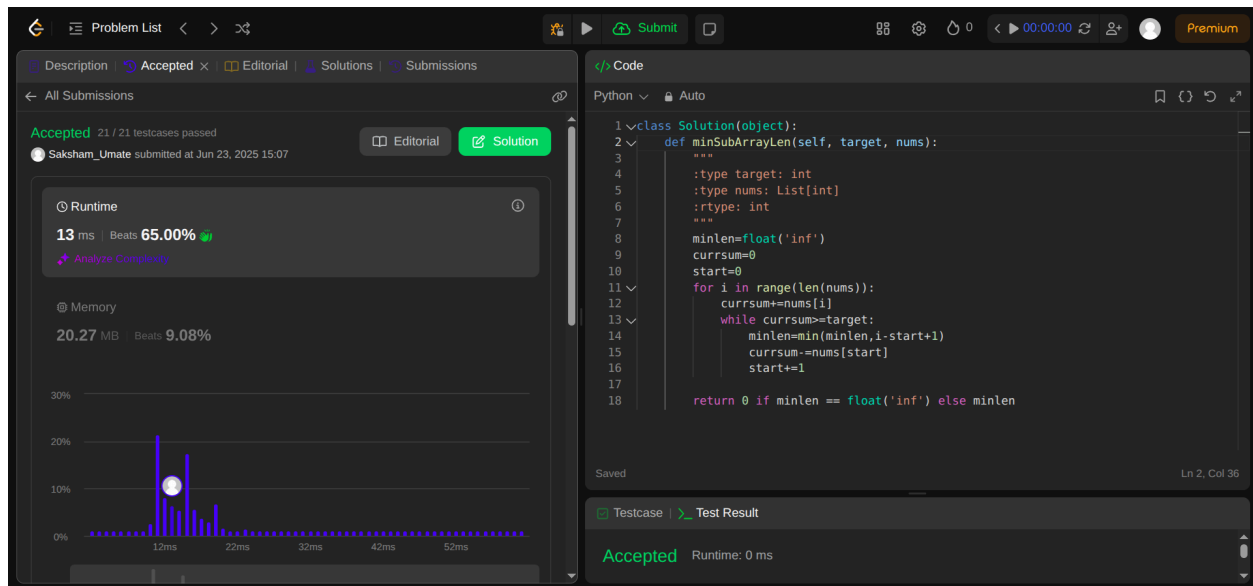## En: 22/11/EC/055

Leetcode Id : Saksham_Umate
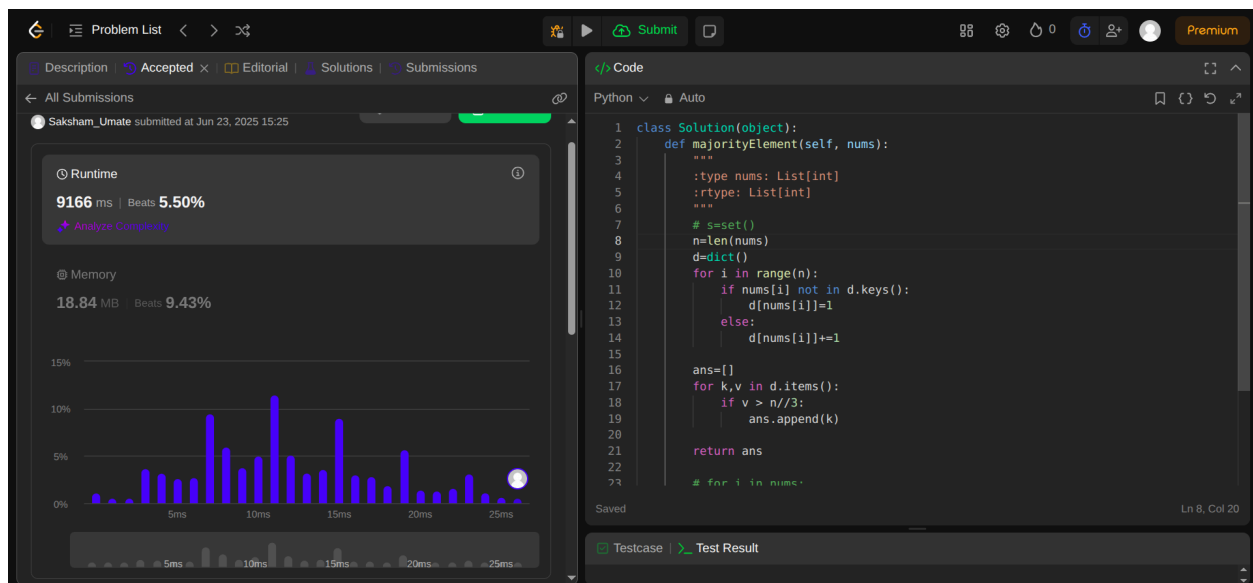GeeksforGeeks Id: sakshamumate784
Github repo link : https://github.com/SakshamUmate/JNU_Placement

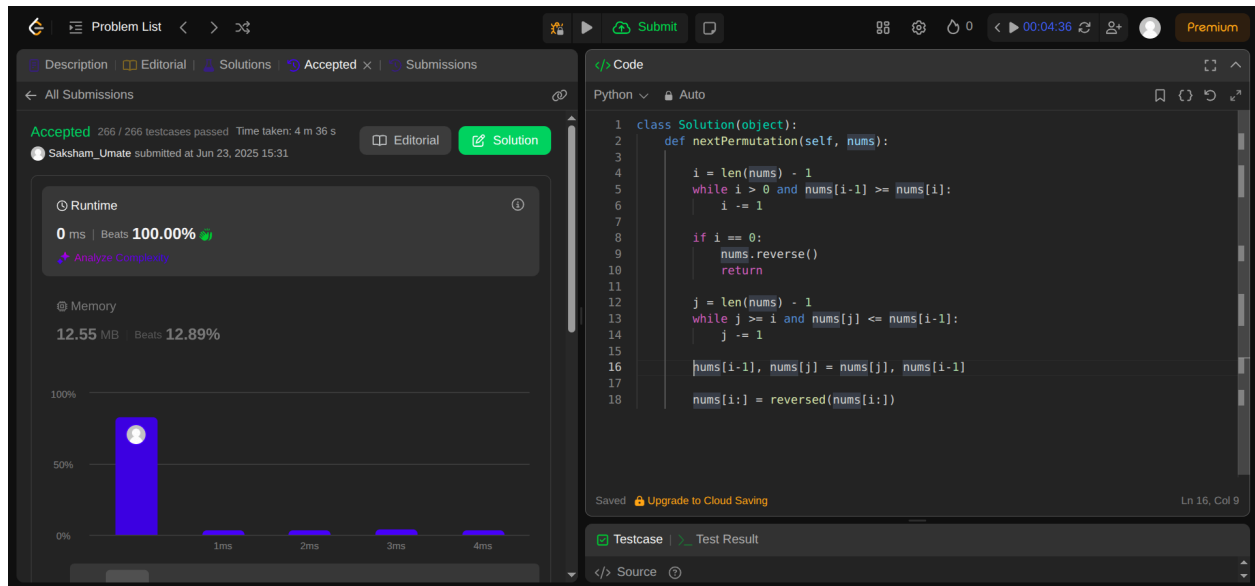## Q1:

Q2:

Q3:

Description | Editorial | Solutions | Accepted × | Submissions

← All Submissions

Accepted 266 / 266 testcases passed Time taken: 4 m 36 s
Saksham_Umate submitted at Jun 23, 2025 15:31

Editorial | Solution

🕐 Runtime
0 ms | Beats **100.00%** 🥬
🔍 Analyze Complexity

⊕ Memory
12.55 MB | Beats **12.89%**

```
100%

50%

0%
        1ms     2ms     3ms     4ms
```

Code

Python ⌄ 🔒 Auto

```python
class Solution(object):
    def nextPermutation(self, nums):

        i = len(nums) - 1
        while i > 0 and nums[i-1] >= nums[i]:
            i -= 1

        if i == 0:
            nums.reverse()
            return

        j = len(nums) - 1
        while j >= i and nums[j] <= nums[i-1]:
            j -= 1

        nums[i-1], nums[j] = nums[j], nums[i-1]

        nums[i:] = reversed(nums[i:])
```

Saved 🔒 Upgrade to Cloud Saving   Ln 16, Col 9

☑ Testcase | >_ Test Result

</> Source ⑦

Q4:

Description | Editorial | Solutions | Accepted × | Submissions

← All Submissions

Accepted 78 / 78 testcases passed
Saksham_Umate submitted at Jun 23, 2025 15:34

Editorial | Solution

🕐 Runtime
19 ms | Beats **73.49%** 🥬
🔍 Analyze Complexity

⊕ Memory
14.15 MB | Beats **38.55%**

```
20%

10%

0%
   7ms      16ms      21ms      27ms      38ms      542ms
```

Code

Python ⌄ 🔒 Auto

```python
class Solution(object):
    def maxSatisfied(self, customers, grumpy, minutes):
        """
        :type customers: List[int]
        :type grumpy: List[int]
        :type minutes: int
        :rtype: int
        """

        initial_satisfaction = 0
        max_extra_satisfaction = 0
        current_window_satisfaction = 0

        for i in range(len(customers)):
            if grumpy[i] == 0:
                initial_satisfaction += customers[i]
            elif i < minutes:
                current_window_satisfaction += customers[i]

        max_extra_satisfaction = current_window_satisfaction

        for i in range(minutes, len(customers)):
```

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☑ Testcase | >_ Test Result

Accepted Runtime: 0 ms