SEARCHING & SORTING - SET 2 QUESTIONS

Question 1:

- ❖ **Problem link**:

  https://leetcode.com/problems/find-smallest-letter-greater-than-target/
- ❖ **Difficulty level**: Easy
- ❖ **Expected Complexity**:
  - ➢ Time: O(log n)
  - ➢ Extra space: O(1)

Question 2:

- ❖ **Problem link**: https://leetcode.com/problems/first-unique-character-in-a-string/
- ❖ **Difficulty level**: Easy
- ❖ **Expected Complexity**:
  - ➢ Time: O(n)
  - ➢ Extra space: O(1)

Question 3:

- ❖ **Problem link**:

  https://leetcode.com/problems/sort-array-by-increasing-frequency/
- ❖ **Difficulty level**: Easy
- ❖ **Expected Complexity**:
  - ➢ Time: O(n log n)
  - ➢ Extra space: O(n)

Question 4:

- ❖ **Problem link**: https://leetcode.com/problems/increasing-decreasing-string/
- ❖ **Difficulty level**: Easy
- ❖ **Expected Complexity**:
  - ➢ Time: O(n)
  - ➢ Extra space:O(n)

Question 5:

- ❖ **Problem link**:
  https://leetcode.com/problems/magnetic-force-between-two-balls/
- ❖ **Difficulty level**: Medium
- ❖ **Expected Complexity**:
  - ➢ Time: O(n log n)
  - ➢ Extra space: O(1)

Question 6:

- ❖ **Problem link**: https://leetcode.com/problems/sort-colors/
- ❖ **Difficulty level**: Medium
- ❖ **Expected Complexity**:
  - ➢ Time: O(n)
  - ➢ Extra space: O(1)

Question 7:

- ❖ **Problem link**:
  https://leetcode.com/problems/maximum-number-of-events-that-can-be-attended/
- ❖ **Difficulty level**: Medium
- ❖ **Expected Complexity**:
  - ➢ Time: O(n log n)
  - ➢ Extra space: O(n)

Question 8:

- ❖ **Problem link**: https://leetcode.com/problems/maximum-performance-of-a-team/
- ❖ **Difficulty level**: Hard
- ❖ **Expected Complexity**:
  - ➢ Time: O(nlog(n))
  - ➢ Extra space: O(n)

Note: The solution of all these questions will be provided on 20th May, 2021