

ARRAYS - SET 2 QUESTIONS

Question 1:

- ❖ Problem link: <https://leetcode.com/problems/largest-number-at-least-twice-of-others/>
- ❖ Difficulty level: Easy
- ❖ Expected Complexity:
 - Time: $O(n)$
 - Extra space: $O(1)$

Question 2:

- ❖ Problem link: <https://leetcode.com/problems/merge-sorted-array/>
- ❖ Difficulty level: Easy
- ❖ Expected Complexity:
 - Time: $O(m+n)$
(‘m’ and ‘n’ are sizes of the given two sorted arrays)
 - Extra space: $O(1)$
(Output array does not count as extra space for space complexity analysis.)

Question 3:

- ❖ Problem link: <https://leetcode.com/problems/degree-of-an-array/>
- ❖ Difficulty level: Easy
- ❖ Expected Complexity:
 - Time: $O(n)$
 - Extra space: $O(n)$

Question 4:

- ❖ **Problem link:** <https://leetcode.com/problems/bulb-switcher-iii/>
- ❖ **Difficulty level:** Medium
- ❖ **Expected Complexity:**
 - Time: $O(n)$
 - Extra space: $O(1)$

Question 5:

- ❖ **Problem link:** <https://leetcode.com/problems/number-of-sub-arrays-with-odd-sum/>
- ❖ **Difficulty level:** Medium
- ❖ **Expected Complexity:**
 - Time: $O(n)$
 - Extra space: $O(1)$

Question 6:

- ❖ **Problem link:** <https://leetcode.com/problems/find-the-winner-of-an-array-game/>
- ❖ **Difficulty level:** Medium
- ❖ **Expected Complexity:**
 - Time: $O(n)$
 - Extra space: $O(1)$

Question 7:

- ❖ **Problem link:** <https://leetcode.com/problems/reverse-subarray-to-maximize-array-value/>
- ❖ **Difficulty level:** Hard
- ❖ **Expected Complexity:**
 - Time: $O(n)$
 - Extra space: $O(1)$

Question 8:

- ❖ **Problem link:** <https://leetcode.com/problems/sum-of-subsequence-widths/>
- ❖ **Difficulty level:** Hard
- ❖ **Expected Complexity:**
 - Time: $O(n)$
 - Extra space: $O(n)$

Note: The solutions of all these questions will be provided on 6th May, 2021