**Arrays**

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| Sr. No. | Topic | Link | Comments |
| --- | --- | --- | --- |
| 1. | Array - Tutorial | [Link](https://www.youtube.com/watch?v=sNrLlmOIn-c) |  |
| 2. | Two Sum | [Link](https://leetcode.com/problems/two-sum/) |  |
| 3. | Kids with greatest number of candies | [Link](https://leetcode.com/problems/kids-with-the-greatest-number-of-candies/) |  |
| 4. | Distribute Candies | [Link](https://leetcode.com/problems/distribute-candies/) |  |
| 5. | Plus One | [Link](https://leetcode.com/problems/plus-one/) | Try without extra space |
| 6. | Single number | [Link](https://leetcode.com/problems/single-number/) | Might need to cram the solution |
| 7. | Number of good pairs | [Link](https://leetcode.com/problems/number-of-good-pairs/) | Try to do in O(n) time |
| 8. | Missing Number | [Link](https://leetcode.com/problems/missing-number/) |  |
| 9. | Find all numbers disappeared in array | [Link](https://leetcode.com/problems/find-all-numbers-disappeared-in-an-array/) |  |
| 10. | Teemo Attacking | [Link](https://leetcode.com/problems/teemo-attacking/) |  |
| 11. | Can place flowers | [Link](https://leetcode.com/problems/can-place-flowers/) | Try doing in one iteration without any extra space (you can modify the original array) |
| 12. | Range Sum Queries | [Link](https://leetcode.com/problems/range-sum-query-immutable/) | Try in O(1) time |
| 13. | Minimum values to get positive step by step sum | [Link](https://leetcode.com/problems/minimum-value-to-get-positive-step-by-step-sum/) |  |
| 14. | Max Conscutive Ones | [Link](https://leetcode.com/problems/max-consecutive-ones/) | Try doing in one iteration |
| 15. | Set Mismatch | [Link](https://leetcode.com/problems/set-mismatch/) | Try in O(n) time |
| 16. | Majority Element | [Link](https://leetcode.com/problems/majority-element/) | Try in O(n) time and O(1) space (hint: moore's voting algorithm) |
| 17. | Two pointer algorithm - Tutorial | [Link](https://youtube.com/watch?v=2wVjt3yhGwg) |  |
| 18. | Flipping an image | [Link](https://leetcode.com/problems/flipping-an-image/) | Can you do it together? Instead of first reversing the rows and then reversing the values |
| 19. | Count pairs whose sum is less than target | [Link](https://leetcode.com/problems/count-pairs-whose-sum-is-less-than-target/) | Try to do in O(nlogn) time (hint: sorting + two pointer) |
| 20. | Sort Array by Parity | [Link](https://leetcode.com/problems/sort-array-by-parity/) | Try in one iteration |
| 21. | Squares of a sorted Array | [Link](https://leetcode.com/problems/squares-of-a-sorted-array/) | Try in O(n) time (hint: two pointer) |
| 22. | Contains duplicate | [Link](https://leetcode.com/problems/contains-duplicate/) | Try with O(n) time and O(n) space; Also try with O(nlogn) time and O(1) space |
| 23. | Contains duplicate 2 | [Link](https://leetcode.com/problems/contains-duplicate-ii/) |  |
| 24. | 3Sum | [Link](https://leetcode.com/problems/3sum/) | Try to do in O(n\*n) time |
| 25. | Sort colors | [Link](https://leetcode.com/problems/sort-colors/) |  |
| 26. | Binary Search - Tutorial | [Link](https://www.youtube.com/playlist?list=PL2_aWCzGMAwL3ldWlrii6YeLszojgH77j) |  |
| 27. | Search in rotated sorted array | [Link](https://leetcode.com/problems/search-in-rotated-sorted-array/) |  |
| 28. | Search a 2D Matrix | [Link](https://leetcode.com/problems/search-a-2d-matrix/) |  |
| 29. | Find peak element | [Link](https://leetcode.com/problems/find-peak-element/) | Might need to see solution |