|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Neetcode Problem | Level | On Local and GitHub | Notebook | Last Visited | Status |
| Contains Duplicates | Easy | Yes | Yes | 01/11/2023 | ✔️-Use sorting then array traversal or hash map/hash set. Most time and space optimal is sorting |
| Valid Anagram |  | Yes | Yes | 07/27/2022 |  |
| Two Sum |  | Yes | Yes | 07/04/2022 | -Need to verify Big O space complexity of Approach 1 and 2 |
| Group Anagrams |  | Yes | Yes | 07/04/2022 | ✔️ |
| Top K Frequent |  | Yes | Yes | 07/05/2022 | -Learn Heaps then add new approaches  to notebook and local/GH |
| Product of Array Except Self |  |  |  |  |  |
| [Valid](https://leetcode.com/problems/product-of-array-except-self/) Sodoku |  |  |  |  |  |
| Encode and Decode Strings |  | Yes |  |  |  |
| Longest Consecutive Sequence |  | Yes | Yes | 09/23/2022 | -create a set and add all of nums into set  -loop over nums. If nums [i]-1 is not in set, set count =0;  -if nums[i]-1 is not in set, start a while loop that goes while nums[i]+1 exists in set. For each additional increase of 1, increment count by 1 |

Two Pointers(Verify Big O Accuracy for All)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Neetcode Problem | On Local and GitHub | Notebook | Last Visited | Status |
| Valid Palindrome | Yes | Yes | 09/11/2022 | ✔️ |
| Two Sum II |  |  | 07/26/2022 |  |
| 3 Sum |  |  | 07/26/2022 |  |
| Container with Most Water |  |  |  |  |
| Trapping Rain Water |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Sliding Window(See Leetcode Doc for More)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Neetcode Problem | On Local and GitHub | Notebook | Last Visited | Status |
| Best Time to Buy and Sell Stock | Yes | Yes | 07/28/2022 | ✔️ |
| Longest Substring without Repeating Characters | Yes | Yes | 09/12/2022 | -Sliding window |
| Longest Repeating Character Placement |  |  |  |  |
| Permutation in String |  |  |  |  |
| Minimum Window Substring |  |  |  |  |
| Sliding Window Maximum |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Linked Lists

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Neetcode Problem | Level | On Local and GitHub | Notebook | Last Visited | Status |
| Reverse Linked List |  | Yes | Yes | 08/01/2022 | Three variables: prev, current, next |
| Merge Two Linked Lists |  |  |  |  |  |
| Add Two Numbers | Medium | Yes | Yes | 09/23/2022 | -Revisit  -Requires a few modulo expressions, look into that again |
| Find the Duplicate Number |  |  |  |  |  |
| Linked List Cycle |  | Yes | Yes | 08/01/2022 | Fast and slow pointers(2) is most space & time optimal. Can also solve using hash map. |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |