1. For loop, while loop problems:

easy:

1. Add Digits: https://leetcode.com/problems/add-dig...
2. Leap Year: https://practice.geeksforgeeks.org/pr...
3. Reverse Integer: https://leetcode.com/problems/reverse...
4. Power of Two: https://leetcode.com/problems/power-o...
5. Sqrt(x): https://leetcode.com/problems/sqrtx/
6. Palindrome Number: https://leetcode.com/problems/palindr...
7. Complement of Base 10 Integer: https://leetcode.com/problems/complem...
8. Ugly Number: https://leetcode.com/problems/ugly-number/
9. Squares in N*N chessboard: https://practice.geeksforgeeks.org/problems/squares-in-nn-chessboard1801/1?page=1&difficulty[]=-1&difficulty[]=0&category[]=Numbers&category[]=number-theory&sortBy=submissions

hard:

1. Nim Game: https://leetcode.com/problems/nim-gam...
2. Bishop moves: https://www.interviewbit.com/problems...
3. Zero in Factorial: https://practice.geeksforgeeks.org/pr...
4. Valid rectangle: https://www.interviewbit.com/problems...
5. Distribute in a circle: https://www.interviewbit.com/problems/distribute-in-circle/
6. Number of 1 bits: https://practice.geeksforgeeks.org/problems/set-bits0143/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
7. Count set bits: https://practice.geeksforgeeks.org/problems/set-bits0143/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
8. Bit Difference: https://practice.geeksforgeeks.org/problems/bit-difference-1587115620/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab

2. Array problems:

1. Linear Search: https://practice.geeksforgeeks.org/pr...
2. Cyclic Rotate: https://practice.geeksforgeeks.org/pr...
3. Second Maximum: https://practice.geeksforgeeks.org/pr...
4. Missing Number: https://practice.geeksforgeeks.org/pr...
5. Smallest Positive missing number: https://practice.geeksforgeeks.org/problems/smallest-positive-missing-number-1587115621/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
6. Move all negative elements to end: https://practice.geeksforgeeks.org/problems/move-all-negative-elements-to-end1813/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
7. Number of occurrence: https://practice.geeksforgeeks.org/problems/number-of-occurrence2259/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
8. Count number of elements between two given elements in array: https://practice.geeksforgeeks.org/problems/count-number-of-elements-between-two-given-elements-in-array4044/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
9. First Repeating Element: https://practice.geeksforgeeks.org/problems/first-repeating-element4018/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
10. Sum of Unique Elements: https://leetcode.com/problems/sum-of-unique-elements/

3. Sorting and Searching problems:

1. Sort an array (selection sort): https://leetcode.com/problems/sort-an-array/description/
2. Bubble sort: https://www.geeksforgeeks.org/problems/bubble-sort/1
3. insertion sort: https://www.geeksforgeeks.org/problems/insertion-sort/1
4. binary search: https://leetcode.com/problems/binary-search/description/
5. Find First and Last Position of Element in Sorted Array: https://leetcode.com/problems/find-fi...
6. Search Insert Position: https://leetcode.com/problems/search-...
7. Sqrt(x): https://leetcode.com/problems/sqrtx/d...
8. Kth Missing Positive Number: https://leetcode.com/problems/kth-mis...
9. Count the Zeros:https://practice.geeksforgeeks.org/pr...
10. Number of occurrence: https://practice.geeksforgeeks.org/pr...
11. Cube root of a number: https://practice.geeksforgeeks.org/pr...
12. Peak index in a mountain array: https://leetcode.com/problems/peak-index-in-a-mountain-array/description/
13. Find minimum in rotated sorted array: https://leetcode.com/problems/find-minimum-in-rotated-sorted-array/
14. Search in rotated sorted array: https://leetcode.com/problems/search-in-rotated-sorted-array/description/
15. Kth missing positive number: https://leetcode.com/problems/kth-missing-positive-number/description/
16. Find peak element: https://leetcode.com/problems/find-peak-element/
17. Special array with x elements greater than or equal x: https://leetcode.com/problems/special-array-with-x-elements-greater-than-or-equal-x/
18. Valid perfect square: https://leetcode.com/problems/valid-perfect-square/
19. Search in rotated sorted array II: https://leetcode.com/problems/search-in-rotated-sorted-array-ii/
20. allocate minimum number of pages: https://practice.geeksforgeeks.org/problems/allocate-minimum-number-of-pages0937/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
21. The painter's partition problem: https://practice.geeksforgeeks.org/problems/the-painters-partition-problem1535/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
22. Capacity to ship packages within D days: https://leetcode.com/problems/capacity-to-ship-packages-within-d-days/description/
23. Koko eating banana: https://leetcode.com/problems/koko-eating-bananas/

24. Split array largest sum: https://practice.geeksforgeeks.org/problems/split-array-largest-sum--141634/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
25. Aggressive cow: https://practice.geeksforgeeks.org/problems/aggressive-cows/0
26. Magnetic forces between 2 balls: https://leetcode.com/problems/magnetic-force-between-two-balls/description/
27.

4. Two Pointer

1: Segregate 0s and 1s: https://practice.geeksforgeeks.org/pr...

2: Two Sum: https://leetcode.com/problems/two-sum...

3: Pair With Given Difference: https://www.interviewbit.com/problems...

4: Product Pair: https://practice.geeksforgeeks.org/pr...

5: Remove Duplicates from sorted array: https://www.interviewbit.com/problems/remove-duplicates-from-sorted-array/

5. Kadane’s Algorithm

1: Kadane's Algorithm: https://practice.geeksforgeeks.org/pr...

2: Maximum Difference between 2 element:
https://www.geeksforgeeks.org/maximum...
3: Maximum prefix sum for a given range:
https://practice.geeksforgeeks.org/pr...

4: Equal Sums: https://practice.geeksforgeeks.org/pr...

6. Trapping Rain water

1: Trapping Rain Water: https://leetcode.com/problems/trappin...

2: 3 SUM: https://practice.geeksforgeeks.org/pr...

3: 4 SUM: https://practice.geeksforgeeks.org/pr...

4: Array 3 Pointers: https://www.interviewbit.com/problems...

5: Remove element from array: https://www.interviewbit.com/problems/remove-element-from-array/

6: Container with most water: https://www.interviewbit.com/problems/container-with-most-water/

7. 2d Array problems:

1. Transpose of matrix: https://practice.geeksforgeeks.org/problems/transpose-of-matrix-1587115621/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
2. Spiral matrix: https://leetcode.com/problems/spiral-matrix/
3. Spiral matrix II: https://leetcode.com/problems/spiral-matrix-ii/
4. Print diagonally: https://practice.geeksforgeeks.org/problems/print-diagonally4331/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
5. Print matrix in diagonal pattern: https://practice.geeksforgeeks.org/problems/print-matrix-in-diagonal-pattern/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
6. Print matrix in snake pattern: https://practice.geeksforgeeks.org/problems/print-matrix-in-snake-pattern-1587115621/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
7. Rotate image: https://leetcode.com/problems/rotate-image/
8. matrix rotation by 180 degree: https://practice.geeksforgeeks.org/problems/c-matrix-rotation-by-180-degree0745/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
9. Rotate by 90 degree anticlockwise: https://practice.geeksforgeeks.org/problems/rotate-by-90-degree-1587115621/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
10. Left rotate matrix k times: https://practice.geeksforgeeks.org/problems/left-rotate-matrix-k-times2351/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab

8. Binary Search questions:

1. binary search: https://leetcode.com/problems/search-a-2d-matrix/description/
2. Search in a sorted row-col wise Matrix: https://www.geeksforgeeks.org/problems/search-in-a-matrix-1587115621/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
3. Count zeros in a sorted matrix: https://practice.geeksforgeeks.org/problems/count-zeros-in-a-sorted-matrix/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
4. Row with max 1s: https://practice.geeksforgeeks.org/problems/row-with-max-1s0023/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
5. Finding Missing and Repeating Elements: https://practice.geeksforgeeks.org/problems/find-missing-and-repeating2512/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
6. Count Frequency of Element: https://practice.geeksforgeeks.org/problems/frequency-of-array-elements-1587115620/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
7. Majority ELement: https://leetcode.com/problems/majority-element/description/
8. smallest missing positive integer: https://leetcode.com/problems/first-missing-positive/

9. String Problems:

1. Defanging an IP Address: https://leetcode.com/problems/defanging-an-ip-address/description/
2. Check if string is rotated by two places: https://leetcode.com/problems/defanging-an-ip-address/description/
3. Check if the Sentence Is Pangram: https://leetcode.com/problems/check-if-the-sentence-is-pangram/description/
4. Sort a String: https://www.geeksforgeeks.org/problems/sort-a-string2943/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
5. Longest Palindrome: https://leetcode.com/problems/longest-palindrome/description/
6. Sorting the Sentence: https://leetcode.com/problems/sorting-the-sentence/description/
7. Longest substring without repeating characters: https://leetcode.com/problems/longest-substring-without-repeating-characters/
8. smallest distinct window: https://practice.geeksforgeeks.org/problems/smallest-distant-window3132/1?page=1&difficulty[]=1&category[]=Strings&sortBy=submissions
9. smallest window containing 0, 1 and 2: https://practice.geeksforgeeks.org/problems/smallest-window-containing-0-1-and-2--170637/1
10. longest K unique characters substring: https://www.geeksforgeeks.org/problems/longest-k-unique-characters-substring0853/1?page=1&category=Strings&difficulty=Medium&sortBy=submissions
11. Add strings: https://leetcode.com/problems/add-strings/description/
12. sort vowel in a string: https://leetcode.com/problems/sort-vowels-in-a-string/description/
13. Case-specific Sorting of Strings: https://www.geeksforgeeks.org/problems/case-specific-sorting-of-strings4845/1?page=2&difficulty
14. Factorial of Large Number: https://www.geeksforgeeks.org/problems/factorials-of-large-numbers2508/1?page=1&category=Strings&difficulty=Medium&sortBy=submissions
15. Integer to Roman: https://leetcode.com/problems/integer-to-roman/description/
16. roman to integer: https://leetcode.com/problems/roman-to-integer/description/
17. longest prefix suffix: https://practice.geeksforgeeks.org/problems/longest-prefix-suffix2527/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
18. find the index of the first occurance in a string: https://leetcode.com/problems/find-the-index-of-the-first-occurrence-in-a-string/
19. Search Pattern (KMP-Algorithm): https://practice.geeksforgeeks.org/problems/search-pattern0205/1
20. Minimum characters to be added at front to make string palindrome: https://www.geeksforgeeks.org/problems/minimum-characters-to-be-added-at-front-to-make-string-palindrome/1?page=1&difficulty

21. repeated string match: https://leetcode.com/problems/repeated-string-match/description/
22. minimum appends for palindrome: https://www.interviewbit.com/problems/minimum-appends-for-palindrome/
23. shortest palindrome: https://leetcode.com/problems/shortest-palindrome/

10 Recursion:

1. fibonacci: https://leetcode.com/problems/fibonacci-number/description/
2. Nth stair: https://leetcode.com/problems/climbing-stairs/description/
3. GCD: https://www.geeksforgeeks.org/problems/gcd-of-two-numbers3459/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
4. Power of 4: https://leetcode.com/problems/power-of-four/
5. count number of hops: https://practice.geeksforgeeks.org/problems/count-number-of-hops-1587115620/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
6. fibonacci series upto Nth term: https://practice.geeksforgeeks.org/problems/fibonacci-series-up-to-nth-term/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
7. check palindrome: https://practice.geeksforgeeks.org/problems/palindrome-string0817/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab\\
8. lower case to upper case: https://practice.geeksforgeeks.org/problems/lower-case-to-upper-case3410/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
9. convert string to lower case: https://practice.geeksforgeeks.org/problems/java-convert-string-to-lowercase2313/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
10. reverse a string: https://practice.geeksforgeeks.org/problems/java-reverse-a-string0416/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
11. merge sort (count inversion): https://practice.geeksforgeeks.org/problems/inversion-of-array-1587115620/1
12. sort an array: https://leetcode.com/problems/sort-an-array/description/
13. Subsets: https://leetcode.com/problems/subsets/description/
14. Generate Parentheses: https://leetcode.com/problems/generate-parentheses/description/
15. subset sum: https://practice.geeksforgeeks.org/problems/subset-sums2234/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
16. perfect sum: https://practice.geeksforgeeks.org/problems/perfect-sum-problem5633/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
17. subset with sum divisible by m: https://practice.geeksforgeeks.org/problems/subset-with-sum-divisible-by-m2546/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
18. number of subsequences in a string divisible by n: https://practice.geeksforgeeks.org/problems/number-of-subsequences-in-a-string-divisible-by-n5947/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab

19. permutation of arrays: https://leetcode.com/problems/permutations/description/
20. permutation of a given string: https://practice.geeksforgeeks.org/problems/permutations-of-a-given-string2041/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
21. permutation II: https://leetcode.com/problems/permutations-ii/
22. permutation 2: https://leetcode.com/problems/permutations-ii/description/
23. ways to sum N: https://practice.geeksforgeeks.org/problems/ways-to-sum-to-n5759/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
24. combination 2: https://leetcode.com/problems/combination-sum-ii/
25. elimination game: https://leetcode.com/problems/elimination-game/description/
26. Tower of hanoi: https://www.geeksforgeeks.org/problems/tower-of-hanoi-1587115621/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
27. predict the winner: https://leetcode.com/problems/find-the-winner-of-the-circular-game/description/
28. rat in a maze I: https://www.geeksforgeeks.org/problems/rat-in-a-maze-problem/1
29. print n-bit binary number having more 1s and 0s: https://www.geeksforgeeks.org/problems/print-n-bit-binary-numbers-having-more-1s-than-0s0252/1

11. linkedlist problems:

1. reverse a linkedlist: https://leetcode.com/problems/reverse-linked-list/description/
2. middle of the linkedlist: https://leetcode.com/problems/middle-of-the-linked-list/description/
3. rotate list: https://leetcode.com/problems/rotate-list/description/
4. Remove Nth Node From End of List: https://leetcode.com/problems/remove-nth-node-from-end-of-list/description/
5. Remove every k'th node: https://www.geeksforgeeks.org/problems/remove-every-kth-node/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
6. palindrome linked list: https://leetcode.com/problems/palindrome-linked-list/description/
7. doubly linkedlist insertion at given position: https://www.geeksforgeeks.org/problems/insert-a-node-in-doubly-linked-list/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
8. reverse a doubly linked list: https://www.geeksforgeeks.org/problems/reverse-a-doubly-linked-list/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
9. Remove duplicate element from sorted Linked List: https://www.geeksforgeeks.org/problems/remove-duplicate-element-from-sorted-linked-list/1
10. merge two sorted linkedlist: https://www.geeksforgeeks.org/problems/merge-two-sorted-linked-lists/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
11. Given a linked list of 0s, 1s and 2s, sort it: https://www.geeksforgeeks.org/problems/given-a-linked-list-of-0s-1s-and-2s-sort-it/1
12. merge lists alternatingly: https://www.geeksforgeeks.org/problems/merge-list-alternatingly/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
13. rearrange a linkedlist: https://www.geeksforgeeks.org/problems/rearrange-a-linked-list/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
14. Detect Loop in Linked List: https://www.geeksforgeeks.org/problems/detect-loop-in-linked-list/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
15. Find Length of Loop: https://www.geeksforgeeks.org/problems/find-length-of-loop/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
16. Remove loop in Linked List: https://www.geeksforgeeks.org/problems/remove-loop-in-linked-list/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
17. circular linkedlist traversal: https://www.geeksforgeeks.org/problems/circular-linked-list-traversal/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
18. check if circular linkedlist: https://geeksforgeeks.org/problems/circular-linked-list/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
19. split a circular linkedlist into two halves: https://www.geeksforgeeks.org/problems/split-a-circular-linked-list-into-two-halves/1?

utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab

20. sorted insert for circular linkedlist: https://www.geeksforgeeks.org/problems/sorted-insert-for-circular-linked-list/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
21. Remove loop in Linked List: https://www.geeksforgeeks.org/problems/remove-loop-in-linked-list/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
22. Intersection Point in Y shaped Linked List: https://www.geeksforgeeks.org/problems/intersection-point-in-y-shapped-linked-lists/1?itm_source=geeksforgeeks&itm_medium=article&itm_campaign=bottom_sticky_on_article
23. Reverse a Linked List in groups of given size: https://www.geeksforgeeks.org/problems/reverse-a-linked-list-in-groups-of-given-size/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
24. Add two numbers represented by linked lists: https://www.geeksforgeeks.org/problems/add-two-numbers-represented-by-linked-lists/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
25. Reverse a sublist of a linked list: https://www.geeksforgeeks.org/problems/reverse-a-sublist-of-a-linked-list/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
26. Multiply two linked lists: https://www.geeksforgeeks.org/problems/multiply-two-linked-lists/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
27. merge sort for linkedlist: https://www.geeksforgeeks.org/problems/sort-a-linked-list/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
28. merge sort on doubly linkedlist: https://www.geeksforgeeks.org/problems/merge-sort-on-doubly-linked-list/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
29. reorder list: https://www.geeksforgeeks.org/problems/reorder-list/1?page=1&category=Linked List&difficulty=Hard&sortBy=submissions
30. partition a linkedlist around a given value: https://www.geeksforgeeks.org/problems/reorder-list/1?page=1&category=Linked List&difficulty=Hard&sortBy=submissions
31. subtraction in linkedlist: https://www.geeksforgeeks.org/problems/subtraction-in-linked-list/1?page=1&category=Linked List&difficulty=Hard&sortBy=submissions
32. Flattening a Linked List: https://www.geeksforgeeks.org/problems/flattening-a-linked-list/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
33. Merge K sorted linked lists: https://www.geeksforgeeks.org/problems/merge-k-sorted-linked-lists/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
34. Clone a linked list with next and random pointer: https://www.geeksforgeeks.org/problems/clone-a-linked-list-with-next-and-random-pointer/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab

12. Stack problems:

1. implement stack using array: https://www.geeksforgeeks.org/problems/implement-stack-using-array/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
2. implement stack using linkedlist: https://www.geeksforgeeks.org/problems/implement-stack-using-linked-list/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
3. stack operations: https://www.geeksforgeeks.org/problems/stacks-operations/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
4. backspace string compare: https://leetcode.com/problems/backspace-string-compare/description/
5. special stack: https://www.geeksforgeeks.org/problems/special-stack/1?page=1&category=Stack&difficulty=Easy&sortBy=submissions
6. sort a stack: https://www.geeksforgeeks.org/problems/sort-a-stack/1?page=1&difficulty[]=0&category[]=Stack&sortBy=submissions
7. minimum add to make parentheses valid: https://leetcode.com/problems/minimum-add-to-make-parentheses-valid/submissions/1167016465/?source=submission-ac
8. aestroid collision: https://www.geeksforgeeks.org/problems/asteroid-collision/1?page=1&difficulty[]=1&category[]=Stack&sortBy=submissions
9. baseball game: https://leetcode.com/problems/baseball-game/description/
10. remove K digits: https://www.geeksforgeeks.org/problems/remove-k-digits/1?page=2&difficulty[]=1&category[]=Stack&sortBy=submissions
11. next greater: https://leetcode.com/problems/next-greater-element-i/description/
12. next greater element 2: https://www.geeksforgeeks.org/problems/next-greater-element-2/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
13. the celebrity problem: https://www.geeksforgeeks.org/problems/the-celebrity-problem/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
14. rain trapping water: https://leetcode.com/problems/trapping-rain-water/description/
15. maxspprod: https://www.interviewbit.com/problems/maxspprod/
16. ipl finale: https://www.geeksforgeeks.org/problems/ipl-2021-final--141634/1
17. Reverse Array: https://leetcode.com/problems/reverse-string/submissions/1166998640/
18. Insert an Element at the Bottom of a Stack: https://www.geeksforgeeks.org/problems/insert-an-element-at-the-bottom-of-a-stack/1?page=2&category=Stack&difficulty=Easy&sortBy=submissions
19. Make the array beautiful: https://www.geeksforgeeks.org/problems/make-the-array-beautiful--170647/1
20. String Manipulation: https://www.geeksforgeeks.org/problems/string-manipulation3706/1?page=1&difficulty[]=0&category[]=Stack&sortBy=submissions

21. Valid Parentheses: https://leetcode.com/problems/valid-parentheses/submissions/1167021401/
22. Backspace String Compare: https://leetcode.com/problems/backspace-string-compare/description/
23. Print Bracket Number: https://www.geeksforgeeks.org/problems/print-bracket-number4058/1?page=1&difficulty[]=0&category[]=Stack&sortBy=submissions
24. Get min at pop: https://www.geeksforgeeks.org/problems/get-min-at-pop/1?page=1&category=Stack&difficulty=Easy&sortBy=submissions
25. Next Greater Element: https://www.geeksforgeeks.org/problems/next-greater-element/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
26. Next Smaller Element: https://www.naukri.com/code360/problems/next-smaller-element_1112581?leftPanelTabValue=PROBLEM
27. Smallest Number on Left: https://www.geeksforgeeks.org/problems/smallest-number-on-left3403/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
28. Stock Span: https://www.geeksforgeeks.org/problems/stock-span-problem-1587115621/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
29. Next Greater Element 2: https://www.geeksforgeeks.org/problems/next-larger-element-1587115620/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
30. Largest Rectangle in Histogram: https://leetcode.com/problems/largest-rectangle-in-histogram/description/
31. Maximal Rectangle: https://leetcode.com/problems/maximal-rectangle/description/
32. Get Minimum Element from Stack: https://www.geeksforgeeks.org/problems/get-minimum-element-from-stack/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
33. Maximum of minimum for every window size: https://www.geeksforgeeks.org/problems/maximum-of-minimum-for-every-window-size3453/1?page=1&difficulty[]=2&category[]=Stack&sortBy=submissions
34. Implement two stacks in an array: https://www.geeksforgeeks.org/problems/implement-two-stacks-in-an-array/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
35. n stack in an array: https://www.naukri.com/code360/problems/n-stacks-in-an-array_1164271?leftPanelTabValue=PROBLEM

13. Queue problems:

1. Implement Queue using array: https://www.geeksforgeeks.org/problems/implement-queue-using-array/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
2. Implement Queue using Linked List: https://www.geeksforgeeks.org/problems/implement-queue-using-linked-list/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab
3. revese queue: https://www.geeksforgeeks.org/problems/queue-reversal/1?page=1&difficulty[]=-1&category[]=Queue&sortBy=submissions
4. Reverse First K Elements of Queue: https://www.geeksforgeeks.org/problems/reverse-first-k-elements-of-queue/1?page=1&difficulty[]=0&category[]=Queue&sortBy=submissions
5. TIme Needed To Buy Tickets: https://leetcode.com/problems/time-needed-to-buy-tickets/submissions/1173348790/
6. Implement Stack Using Queue: https://leetcode.com/problems/implement-stack-using-queues/submissions/1173361790/
7. Implement Queue using Stacks: https://leetcode.com/problems/implement-queue-using-stacks/description/
8. first-negative-integer-in-every-window-of-size-k: https://www.geeksforgeeks.org/problems/first-negative-integer-in-every-window-of-size-k3345/1
9. first-non-repeating-character-in-a-stream-of-character: https://www.interviewbit.com/problems/first-non-repeating-character-in-a-stream-of-characters/
10. Sliding Window Maximum: https://leetcode.com/problems/sliding-window-maximum/description/
11. Minimum Number of K Consecutive Bit Flips: https://leetcode.com/problems/minimum-number-of-k-consecutive-bit-flips/description/
12. gas station: https://leetcode.com/problems/gas-station/description/
13. count subarrays with fixed bounds: https://leetcode.com/problems/count-subarrays-with-fixed-bounds/description/

14. Trees:

1. preorder traversal: https://www.geeksforgeeks.org/problems/preorder-traversal/1?page=1&difficulty[]=-1&category[]=Tree&sortBy=submissions
2. inorder traversal: https://www.geeksforgeeks.org/problems/inorder-traversal/1?page=1&difficulty[]=-1&category[]=Tree&sortBy=submissions
3. postorder traversal: https://www.geeksforgeeks.org/problems/postorder-traversal/1?page=1&difficulty[]=-1&category[]=Tree&sortBy=submissions
4. levelorder traversal: https://www.geeksforgeeks.org/problems/level-order-traversal/1?page=1&difficulty[]=0&category[]=Tree&sortBy=submissions
5. size of binary tree: https://www.geeksforgeeks.org/problems/size-of-binary-tree/1?page=1&difficulty[]=-1&category[]=Tree&sortBy=submissions
6. sum of binary tree: https://www.geeksforgeeks.org/problems/sum-of-binary-tree/1?page=1&difficulty[]=-1&category[]=Tree&sortBy=submissions
7. count leaves in binary tree: https://www.geeksforgeeks.org/problems/count-leaves-in-binary-tree/1?page=1&difficulty[]=-1&category[]=Tree&sortBy=submissions
8. count non-leaf nodes in tree: https://www.geeksforgeeks.org/problems/count-non-leaf-nodes-in-tree/1?page=1&difficulty[]=-1&category[]=Tree&sortBy=submissions
9. height of binary tree: https://www.geeksforgeeks.org/problems/height-of-binary-tree/1?page=1&difficulty[]=0&category[]=Tree&sortBy=submissions
10. largest value in each level: https://www.geeksforgeeks.org/problems/largest-value-in-each-level/1?page=4&difficulty[]=0&category[]=Tree&sortBy=submissions
11. determine if two trees are identical: https://www.geeksforgeeks.org/problems/determine-if-two-trees-are-identical/1?page=1&difficulty[]=0&category[]=Tree&sortBy=submissions
12. mirror tree: https://www.geeksforgeeks.org/problems/mirror-tree/1?page=1&difficulty[]=0&category[]=Tree&sortBy=submissions
13. check for balanced tree: https://www.geeksforgeeks.org/problems/check-for-balanced-tree/1?page=1&difficulty[]=0&category[]=Tree&sortBy=submissions
14. level order traversal in spiral form: https://www.geeksforgeeks.org/problems/level-order-traversal-in-spiral-form/1?page=1&difficulty[]=0&category[]=Tree&sortBy=submissions
15. check if two nodes are cousins: https://www.geeksforgeeks.org/problems/check-if-two-nodes-are-cousins/1?page=2&difficulty[]=0&category[]=Tree&sortBy=submissions
16. left view of binary tree: https://www.geeksforgeeks.org/problems/left-view-of-binary-tree/1?page=1&difficulty[]=0&category[]=Tree&sortBy=submissions
17. right view of binary tree: https://www.geeksforgeeks.org/problems/right-view-of-binary-tree/1?page=1&difficulty[]=0&category[]=Tree&sortBy=submissions

18. top view of binary tree: https://www.geeksforgeeks.org/problems/top-view-of-binary-tree/1?page=1&difficulty[]=1&category[]=Tree&sortBy=submissions
19. bottom view of binary tree: https://www.geeksforgeeks.org/problems/bottom-view-of-binary-tree/1?page=1&difficulty[]=1&category[]=Tree&sortBy=submissions
20. pre order traversal iterative: https://www.geeksforgeeks.org/problems/preorder-traversal-iterative/1
21. post order traversal iterative: https://www.geeksforgeeks.org/problems/postorder-traversal-iterative/1?page=3&difficulty[]=1&category[]=Tree&sortBy=submissions
22. iterative inorder: https://www.geeksforgeeks.org/problems/inorder-traversal-iterative/1?page=3&difficulty[]=1&category[]=Tree&sortBy=submissions
23. construct tree from inorder and preorder: https://www.geeksforgeeks.org/problems/construct-tree-1/1
24. tree from post order and inorder: https://www.geeksforgeeks.org/problems/tree-from-postorder-and-inorder/1
25. check tree traversal: https://www.geeksforgeeks.org/problems/check-tree-traversal--141628/1
26. vertical traversal of binary tree: https://www.geeksforgeeks.org/problems/print-a-binary-tree-in-vertical-order/1
27. diagonal traversal: https://www.geeksforgeeks.org/problems/diagonal-traversal-of-binary-tree/1
28. boundary traversal: https://www.geeksforgeeks.org/problems/boundary-traversal-of-binary-tree/1?page=1&difficulty[]=1&category[]=Tree&sortBy=submissions
29. flatten a binary tree to LL: https://www.geeksforgeeks.org/problems/flatten-binary-tree-to-linked-list/1?utm_source=geeksforgeeks&utm_medium=article_practice_tab&utm_campaign=article_practice_tab
30. binary to DLL: https://www.geeksforgeeks.org/problems/binary-tree-to-dll/1?page=1&difficulty[]=2&category[]=Tree&sortBy=submissions
31. burning tree: https://www.geeksforgeeks.org/problems/burning-tree/1
32. maximum path sum between 2 special nodes 1: https://www.geeksforgeeks.org/problems/maximum-path-sum/1?page=1&difficulty[]=2&category[]=Tree&sortBy=submissions

15. Binary Search tree:

1. delete a node from BST: https://www.geeksforgeeks.org/problems/delete-a-node-from-bst/1?page=1&difficulty[]=1&category[]=Binary%2520Search%2520Tree&sortBy=submissions
2. search a node in BST: https://www.geeksforgeeks.org/problems/search-a-node-in-bst/1?page=1&difficulty[]=-1&category[]=Binary%2520Search%2520Tree&sortBy=submissions
3. insert a node in BST: https://www.geeksforgeeks.org/problems/insert-a-node-in-a-bst/1?page=1&difficulty[]=0&category[]=Binary%2520Search%2520Tree&sortBy=submissions
4. check BST: https://www.geeksforgeeks.org/problems/check-for-bst/1?page=1&difficulty
5. minimum distance between BST nodes: https://leetcode.com/problems/minimum-distance-between-bst-nodes/description/
6. sum of k smallest elements in BST: https://www.geeksforgeeks.org/problems/sum-of-k-smallest-elements-in-bst3029/1?page=1&difficulty[]=0&category[]=Binary%2520Search%2520Tree&sortBy=submissions
7. kth smallest element: https://www.interviewbit.com/problems/kth-smallest-element-in-tree/
8. array to BST: https://www.geeksforgeeks.org/problems/array-to-bst4443/1?page=1&difficulty[]=0&category[]=Binary%2520Search%2520Tree&sortBy=submissions
9. Construct Binary Search Tree from Preorder Traversal: https://leetcode.com/problems/constru...
10. Construct BST from Postorder: https://www.geeksforgeeks.org/problem...
11. Preorder Traversal and BST: https://www.geeksforgeeks.org/problem...
12. Preorder to PostOrder: https://www.geeksforgeeks.org/problem...
13. Lowest Common Ancestor in a BST: https://www.geeksforgeeks.org/problem...
14. Print BST elements in given range: https://www.geeksforgeeks.org/problem...
15. Check whether BST contains Dead End: https://www.geeksforgeeks.org/problem...
16. Find Common Nodes in two BSTs: https://www.geeksforgeeks.org/problem...
17. Sorted Link List to BST: https://www.geeksforgeeks.org/problem...
18. Merge two BST: https://www.geeksforgeeks.org/problem...
19. Fixing Two nodes of a BST: https://www.geeksforgeeks.org/problem...

20. Largest BST: https://www.geeksforgeeks.org/problem...
21. Maximum Sum BST in Binary Tree: https://leetcode.com/problems/maximum...

16. AVL Tree:

1. Deletion in AVL Tree: https://www.geeksforgeeks.org/problem...
2. Insertion in AVL Tree: https://www.geeksforgeeks.org/problem...

18. Sliding window problems:

1. Zero Sum Subarrays: https://www.geeksforgeeks.org/problem...
2. Subarray Sum Equals K: https://leetcode.com/problems/subarra...
3. Subarray Sums Divisible by K: https://leetcode.com/problems/subarra...
4. Subarray Product Less Than K: https://leetcode.com/problems/subarra...
5. Count Subarrays With Score Less Than K: https://leetcode.com/problems/count-s...
6. Number of subarrays having sum less than K: https://www.geeksforgeeks.org/number-...
7. Minimum Size Subarray Sum : https://leetcode.com/problems/minimum...
8. Length of Longest Subarray With at Most K Frequency: https://leetcode.com/problems/length-...
9. Count Subarrays Where Max Element Appears at Least K Times: https://leetcode.com/problems/count-s...
10. Subarrays with K Different Integers: https://leetcode.com/problems/subarra...

19. Graph questions:

1. BFS: https://www.geeksforgeeks.org/problem...
2. DFS: https://www.geeksforgeeks.org/problem...
3. Detect Cycle in an Undirected Graph: https://www.geeksforgeeks.org/problem...
4. Topological Sort: https://www.geeksforgeeks.org/problem...
5. Detect Cycle in an Undirected Graph: https://www.geeksforgeeks.org/problem...
6. Bipartite Graph: https://www.geeksforgeeks.org/problem...
7. Covid Spread : https://www.geeksforgeeks.org/problem...
8. Find the number of Islands : https://www.geeksforgeeks.org/problem...
9. Replace O's with X's: https://www.geeksforgeeks.org/problem...
10. Rotten Oranges: https://www.geeksforgeeks.org/problem...
11. X Total Shapes: https://www.geeksforgeeks.org/problem...
12. Number of Provinces: https://www.geeksforgeeks.org/problem...
13. Prerequisite Tasks: https://www.geeksforgeeks.org/problem...
14. Course Schedule: https://www.geeksforgeeks.org/problem...
15. Alien Dictionary: https://www.geeksforgeeks.org/problem...
16. Parallel Courses 3: https://leetcode.com/problems/paralle...
17. Parallel Courses II: https://leetcode.com/problems/paralle...
18. Course Schedule IV: https://leetcode.com/problems/course-...
19. Shortest Path in Undirected Graph: https://www.geeksforgeeks.org/problem...
20. Shortest Path in Undirected Graph: https://www.naukri.com/code360/proble...
21. Shortest Path in Directed Acyclic Graph : https://www.geeksforgeeks.org/problem...

22. Dijkstra Algorithm: https://www.geeksforgeeks.org/problem...
23. Shortest Path in Weighted undirected graph: https://www.geeksforgeeks.org/problem...
24. Distance from the Source: https://www.geeksforgeeks.org/problem...
25. Floyd Warshall Algorithm: https://www.geeksforgeeks.org/problem...
26. Knight Walk : https://www.geeksforgeeks.org/problem...
27. Shortest Source to Destination Path in Binary Matrix : https://www.geeksforgeeks.org/problem...
28. Find whether path exist: https://www.geeksforgeeks.org/problem...
29. Euler Path: https://www.geeksforgeeks.org/problem...
30. Circle of String: https://www.geeksforgeeks.org/problem...
31. Prim’s algorithm: https://www.geeksforgeeks.org/problem...
32. Kruskal's algorithm: https://www.geeksforgeeks.org/problem...
33. Critical Connections in a Network: https://leetcode.com/problems/critica...
34. Articulation Point: https://www.geeksforgeeks.org/problem...
35. Hamiltonian Path: https://www.geeksforgeeks.org/problem...
36. Kosaraju's Algo: https://www.geeksforgeeks.org/problem...
37. Tarjans's Algo: https://www.geeksforgeeks.org/problem...

20. Backtracking problems:

1. N-Queens: https://leetcode.com/problems/n-queens/
2. M-Coloring Problem: https://www.geeksforgeeks.org/problem...
3. Sudoku Solver: https://leetcode.com/problems/sudoku-...

21. greedy algorithm problems:

1. Minimum number of Coins: https://www.geeksforgeeks.org/problem...
2. Shop in Candy Store: https://www.geeksforgeeks.org/problem...
3. Assign Mice Holes: https://www.geeksforgeeks.org/problem...
4. Minimum rotations to unlock a circular lock: https://www.geeksforgeeks.org/problem...
5. N meetings in one room: https://www.geeksforgeeks.org/problem...
6. Job Sequencing Problem: https://www.geeksforgeeks.org/problem...
7. Single-Threaded CPU: https://leetcode.com/problems/single-...
8. Fractional Knapsack: https://www.geeksforgeeks.org/problem...
9. Non-overlapping Intervals: https://leetcode.com/problems/non-ove...
10. Insert Interval: https://leetcode.com/problems/insert-...
11. Task Scheduler: https://leetcode.com/problems/task-sc...
12. Huffman Encoding: https://www.geeksforgeeks.org/problem...