Platform Problems I have solved Collection here:

Vid 1:

|  |
| --- |
| [**Add Digits**](https://leetcode.com/problems/add-digits/) |
| [**Leap Year**](https://practice.geeksforgeeks.org/problems/leap-year0943/1?utm_source=geeksforgeeks&utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab) |
| [**Reverse Integer**](https://leetcode.com/problems/reverse-integer/description/) |
| [**Power of Two**](https://leetcode.com/problems/power-of-two/description/) |
| [**Sqrt(x)**](https://leetcode.com/problems/sqrtx/) |
| [**Palindrome Number**](https://leetcode.com/problems/palindrome-number/description/) |
| [**Complement of Base 10 Integer**](https://leetcode.com/problems/complement-of-base-10-integer/description/) |
| [**Ugly Number**](https://leetcode.com/problems/ugly-number/) |
| [**Squares in N\*N Chessboard**](https://practice.geeksforgeeks.org/problems/squares-in-nn-chessboard1801/1?page=1&difficulty%5b%5d=-1&difficulty%5b%5d=0&category%5b%5d=Numbers&category%5b%5d=number-theory&sortBy=submissions) |

Vid 2:

[Trailing Zeroes in Factorial](https://www.geeksforgeeks.org/problems/trailing-zeroes-in-factorial5134/1?utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab&utm_source=geeksforgeeks)

[Valid Rectangle](https://www.interviewbit.com/problems/is-rectangle/)

[Bishop Moves](https://www.interviewbit.com/problems/total-moves-for-bishop/)

[Distribute in a circle](https://www.interviewbit.com/problems/distribute-in-circle/)

[Nim Game](https://leetcode.com/problems/nim-game/description/)

[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)

[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)

Arrays Problems:

[Linear Search](https://www.geeksforgeeks.org/problems/search-an-element-in-an-array-1587115621/1?utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab&utm_source=geeksforgeeks)

[Second Maximum](https://www.geeksforgeeks.org/problems/second-largest3735/0)

[Missing No.](https://www.geeksforgeeks.org/problems/missing-number-in-array1416/1?utm_medium=article_practice_tab&utm_campaign=article_practice_tab&utm_source=geeksforgeeks)

[Rotate By 1](https://www.geeksforgeeks.org/problems/cyclically-rotate-an-array-by-one2614/1?utm_medium=article_practice_tab&utm_campaign=article_practice_tab&utm_source=geeksforgeeks)

[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)

[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)

[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)

[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)

[Sum of Unique Elements](https://leetcode.com/problems/sum-of-unique-elements/)

**Binary Search Pattern**

[Binary Search Pattern](https://leetcode.com/problems/binary-search/description/)

[First and Last Position Of Array](https://leetcode.com/problems/find-first-and-last-position-of-element-in-sorted-array/submissions/1687146585/)

[Search Insert Position](https://leetcode.com/problems/search-insert-position/)

[Kth Missing Positive Integer](https://leetcode.com/problems/kth-missing-positive-number/submissions/1687475158/)

[Peak Mountain Array](https://leetcode.com/problems/peak-index-in-a-mountain-array/submissions/1687567369/)

[Search the Minimum in Rotated Array.](https://leetcode.com/problems/find-minimum-in-rotated-sorted-array/description/)

[Search in Rotated Array](https://leetcode.com/problems/search-in-rotated-sorted-array/description/)

[Find Peak Element](https://leetcode.com/problems/find-peak-element/)

[Special Array with X Elements Greater Than or Equal X](https://leetcode.com/problems/special-array-with-x-elements-greater-than-or-equal-x/description/)

[Search in Rotated Sorted Array II](https://leetcode.com/problems/search-in-rotated-sorted-array-ii/description/)

[Allocate min number of pages to students(Book Allocation problem)](https://www.geeksforgeeks.org/problems/allocate-minimum-number-of-pages0937/1?utm_medium=article_practice_tab&utm_campaign=article_practice_tab&utm_source=geeksforgeeks)

[Painter Partition Problem (Same Logic but here (M < N) so return -1 is not required)](https://www.geeksforgeeks.org/problems/the-painters-partition-problem1535/1?utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab&utm_source=geeksforgeeks)

[Ship Packages in D days](https://leetcode.com/problems/capacity-to-ship-packages-within-d-days/description/)

[Aggressive Cows](https://www.geeksforgeeks.org/problems/aggressive-cows/0)

[Koko Eating Bananas](https://leetcode.com/problems/koko-eating-bananas/description/)

[Split Array Largest Sum](https://www.geeksforgeeks.org/problems/split-array-largest-sum--141634/1?utm_medium=article_practice_tab&utm_campaign=article_practice_tab&utm_source=geeksforgeeks)

[Magnetic Force Between Two Balls](https://leetcode.com/problems/magnetic-force-between-two-balls/description/)

**Two Pointer 😊 (it is a new pattern)**

1. [Segregate 0s and 1s .](https://www.geeksforgeeks.org/problems/segregate-0s-and-1s5106/1?utm_medium=article_practice_tab&utm_campaign=article_practice_tab&utm_source=geeksforgeeks)

2. [Two Sum.](https://leetcode.com/problems/two-sum-ii-input-array-is-sorted/)

3. [Pair with Given Difference](https://www.interviewbit.com/problems/pair-with-given-difference/)

4. [Product Pair](https://www.geeksforgeeks.org/problems/equal-to-product3836/1?utm_medium=article_practice_tab&utm_campaign=article_practice_tab&utm_source=geeksforgeeks)

5. [Removing Duplicate Elements](https://www.interviewbit.com/problems/remove-duplicates-from-sorted-array/)

**Kadane’s Algorithm**

[Maximum Subarray](https://leetcode.com/problems/maximum-subarray/description/)

[Maximum Difference](https://leetcode.com/problems/maximum-difference-between-increasing-elements/description/)

[Maximum prefix sum for a given range](https://www.geeksforgeeks.org/problems/maximum-prefix-sum-for-a-given-range0227/1?utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab&utm_source=geeksforgeeks)

[Equal sum Subarray with inserting new element](https://www.geeksforgeeks.org/problems/equal-sums4801/1?utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab&utm_source=geeksforgeeks)

**Trapping Rain Water Problem, 3 sum , 4 sum**

[Trapping Rain water](https://leetcode.com/problems/trapping-rain-water/description/)

[3 Sum Problem](https://www.geeksforgeeks.org/problems/triplet-sum-in-array-1587115621/1?utm_medium=article_practice_tab&utm_campaign=article_practice_tab&utm_source=geeksforgeeks)

[4 Sum Problem](https://www.geeksforgeeks.org/problems/four-elements2452/1)

[Remove Elements From Array (A Classical Problem where Two pointer is a slower one which helps to overwrite the array with a forward faster pointer)](https://www.interviewbit.com/problems/remove-element-from-array/)

[Container With Most Water..(The Approach need to be practiced again)](https://www.interviewbit.com/problems/container-with-most-water/)

[Array 3 Pointer](https://www.interviewbit.com/problems/array-3-pointers/)

**2D Array**

[Spiral Form Print of Array](https://leetcode.com/problems/spiral-matrix/submissions/1696787277/)

[Transpose of a Matrix](https://www.geeksforgeeks.org/problems/transpose-of-matrix-1587115621/1?utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab&utm_source=geeksforgeeks)

[Generating Spiral Matrix](https://leetcode.com/problems/spiral-matrix-ii/description/)

[Down Diagonal Print of Matrix](https://www.geeksforgeeks.org/problems/print-diagonally4331/1?utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab&utm_source=geeksforgeeks)

[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)

[Print matrix in diagonal (Hard) (not yet solved)](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) (gfg)

[Print matrix in diagonal (Hard) (not yet solved)](https://leetcode.com/problems/diagonal-traverse/description/)(leetcode)

[Rotate 2D Matrix](https://leetcode.com/problems/rotate-image/description/) 90 Degrees

[Rotate Matrix 180 Degrees](https://www.geeksforgeeks.org/problems/c-matrix-rotation-by-180-degree0745/1?utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab&utm_source=geeksforgeeks)

[Rotate Matrix 90 Deg AntiClockwise](https://www.geeksforgeeks.org/problems/rotate-by-90-degree-1587115621/1?utm_medium=ml_article_practice_tab&utm_campaign=article_practice_tab&utm_source=geeksforgeeks)

Rotate Matrix K times (First use mod to take the equivalent count of rotation)

**Binary Search In 2D Array**

[Binary Search in 2D array](https://leetcode.com/problems/search-a-2d-matrix/)

[Search in a Sorted row-col wise Matrix](https://www.geeksforgeeks.org/problems/search-in-a-matrix-1587115621/1?utm_medium=article_practice_tab&utm_campaign=article_practice_tab&utm_source=geeksforgeeks)

[Search in a Sorted Matrix](https://www.geeksforgeeks.org/problems/search-in-a-matrix-1587115621/1?utm_medium=article_practice_tab&utm_campaign=article_practice_tab&utm_source=geeksforgeeks)

[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)

[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)

**Miscellaneous**

[Missing and Repeating Elements](https://www.geeksforgeeks.org/problems/find-missing-and-repeating2512/1?utm_medium=article_practice_tab&utm_campaign=article_practice_tab&utm_source=geeksforgeeks)

[Counting Frequency Of Elements](https://www.geeksforgeeks.org/problems/frequency-of-array-elements-1587115620/1?utm_medium=article_practice_tab&utm_campaign=article_practice_tab&utm_source=geeksforgeeks)

[Majority Elements](https://leetcode.com/problems/majority-element/)

[**First Missing Positive**](https://leetcode.com/problems/first-missing-positive/)