# Array Data Structure

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3. [Arrays in Java](https://www.geeksforgeeks.org/arrays-in-java/)
4. [Arrays in Python](https://www.geeksforgeeks.org/array-python-set-1-introduction-functions/)

**Array Rotations :**

1. [Program for array rotation](https://www.geeksforgeeks.org/array-rotation/)
2. [Reversal algorithm for array rotation](https://www.geeksforgeeks.org/program-for-array-rotation-continued-reversal-algorithm/)
3. [Block swap algorithm for array rotation](https://www.geeksforgeeks.org/block-swap-algorithm-for-array-rotation/)
4. [Program to cyclically rotate an array by one](https://www.geeksforgeeks.org/c-program-cyclically-rotate-array-one/)
5. [Search an element in a sorted and rotated array](https://www.geeksforgeeks.org/search-an-element-in-a-sorted-and-pivoted-array/)
6. [Given a sorted and rotated array, find if there is a pair with a given sum](https://www.geeksforgeeks.org/given-a-sorted-and-rotated-array-find-if-there-is-a-pair-with-a-given-sum/)
7. [Find maximum value of Sum( i\*arr[i]) with only rotations on given array allowed](https://www.geeksforgeeks.org/find-maximum-value-of-sum-iarri-with-only-rotations-on-given-array-allowed/)
8. [Maximum sum of i\*arr[i] among all rotations of a given array](https://www.geeksforgeeks.org/maximum-sum-iarri-among-rotations-given-array/)
9. [Find the Rotation Count in Rotated Sorted array](https://www.geeksforgeeks.org/find-rotation-count-rotated-sorted-array/)
10. [Quickly find multiple left rotations of an array](https://www.geeksforgeeks.org/quickly-find-multiple-left-rotations-of-an-array/)
11. [Find the minimum element in a sorted and rotated array](https://www.geeksforgeeks.org/find-minimum-element-in-a-sorted-and-rotated-array/)

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**Arrangement Rearrangement :**

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2. [Write a program to reverse an array or string](https://www.geeksforgeeks.org/write-a-program-to-reverse-an-array-or-string/)
3. [Sort an array in wave form](https://www.geeksforgeeks.org/sort-array-wave-form-2/)
4. [Rearrange positive and negative numbers with constant extra space](https://www.geeksforgeeks.org/rearrange-positive-and-negative-numbers/)
5. [Sort an array according to absolute difference with given value](https://www.geeksforgeeks.org/sort-an-array-according-to-absolute-difference-with-given-value/)
6. [Move all negative elements to end in order with extra space allowed](https://www.geeksforgeeks.org/move-ve-elements-end-order-extra-space-allowed/)
7. [Three way partitioning of an array around a given range](https://www.geeksforgeeks.org/three-way-partitioning-of-an-array-around-a-given-range/)
8. [Rearrange an array in maximum minimum form | Set 1](https://www.geeksforgeeks.org/rearrange-array-maximum-minimum-form/)
9. [Rearrange an array in maximum minimum form | Set 2 (O(1) extra space)](https://www.geeksforgeeks.org/rearrange-array-maximum-minimum-form-set-2-o1-extra-space/)
10. [Maximum Length Bitonic Subarray](https://www.geeksforgeeks.org/maximum-length-bitonic-subarray/)
11. [Maximize sum of consecutive differences in a circular array](https://www.geeksforgeeks.org/maximize-sum-consecutive-differences-circular-array/)
12. [Alternative Sorting](https://www.geeksforgeeks.org/alternative-sorting/)
13. [Segregate 0s and 1s in an array](https://www.geeksforgeeks.org/segregate-0s-and-1s-in-an-array-by-traversing-array-once/)
14. [Segregate Even and Odd numbers](https://www.geeksforgeeks.org/segregate-even-and-odd-numbers/)
15. [Longest Bitonic Subsequence](https://www.geeksforgeeks.org/dynamic-programming-set-15-longest-bitonic-subsequence/)
16. [Find a sorted subsequence of size 3 in linear time](https://www.geeksforgeeks.org/find-a-sorted-subsequence-of-size-3-in-linear-time/)
17. [Largest subarray with equal number of 0s and 1s](https://www.geeksforgeeks.org/largest-subarray-with-equal-number-of-0s-and-1s/)
18. [Dynamic Programming | Set 18 (Partition problem)](https://www.geeksforgeeks.org/dynamic-programming-set-18-partition-problem/)
19. [Maximum Product Sub-array](https://www.geeksforgeeks.org/maximum-product-subarray/)
20. [Replace every element with the greatest element on right side](https://www.geeksforgeeks.org/replace-every-element-with-the-greatest-on-right-side/)
21. [Sort a nearly sorted (or K sorted) array](https://www.geeksforgeeks.org/nearly-sorted-algorithm/)
22. [Maximum circular subarray sum](https://www.geeksforgeeks.org/maximum-contiguous-circular-sum/)
23. [Shuffle a given array](https://www.geeksforgeeks.org/shuffle-a-given-array/)
24. [Construction of Longest Increasing Subsequence (N log N)](https://www.geeksforgeeks.org/construction-of-longest-monotonically-increasing-subsequence-n-log-n/)
25. [Arrange given numbers to form the biggest number](https://www.geeksforgeeks.org/given-an-array-of-numbers-arrange-the-numbers-to-form-the-biggest-number/)
26. [Divide and Conquer | Set 3 (Maximum Subarray Sum)](https://www.geeksforgeeks.org/divide-and-conquer-maximum-sum-subarray/)
27. [Sort elements by frequency | Set 2](https://www.geeksforgeeks.org/sort-elements-by-frequency-set-2/)
28. [Merge k sorted arrays](https://www.geeksforgeeks.org/merge-k-sorted-arrays/)
29. [Sort an array according to the order defined by another array](https://www.geeksforgeeks.org/sort-array-according-order-defined-another-array/)
30. [Find Index of 0 to be replaced with 1 to get longest continuous sequence of 1s in a binary array](https://www.geeksforgeeks.org/find-index-0-replaced-1-get-longest-continuous-sequence-1s-binary-array/)
31. [Rearrange an array such that ‘arr[j]’ becomes ‘i’ if ‘arr[i]’ is ‘j’](https://www.geeksforgeeks.org/rearrange-array-arrj-becomes-arri-j/)
32. [Replace every array element by multiplication of previous and next](https://www.geeksforgeeks.org/replace-every-array-element-by-multiplication-of-previous-and-next/)
33. [Generate all possible sorted arrays from alternate elements of two given sorted arrays](https://www.geeksforgeeks.org/generate-all-possible-sorted-arrays-from-alternate-elements-of-two-given-arrays/)
34. [Minimum number of swaps required for arranging pairs adjacent to each other](https://www.geeksforgeeks.org/minimum-number-of-swaps-required-for-arranging-pairs-adjacent-to-each-other/)
35. [Convert array into Zig-Zag fashion](https://www.geeksforgeeks.org/convert-array-into-zig-zag-fashion/)
36. [Reorder an array according to given indexes](https://www.geeksforgeeks.org/reorder-a-array-according-to-given-indexes/)
37. [Form minimum number from given sequence](https://www.geeksforgeeks.org/form-minimum-number-from-given-sequence/)

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**Order Statistics :**

1. [k largest(or smallest) elements in an array | added Min Heap method](https://www.geeksforgeeks.org/k-largestor-smallest-elements-in-an-array/)
2. [Kth smallest element in a row-wise and column-wise sorted 2D array | Set 1](https://www.geeksforgeeks.org/kth-smallest-element-in-a-row-wise-and-column-wise-sorted-2d-array-set-1/)
3. [Program to find largest element in an array](https://www.geeksforgeeks.org/c-program-find-largest-element-array/)
4. [K’th Smallest/Largest Element in Unsorted Array | Set 1](https://www.geeksforgeeks.org/kth-smallestlargest-element-unsorted-array/)
5. [K’th Smallest/Largest Element in Unsorted Array | Set 2 (Expected Linear Time)](https://www.geeksforgeeks.org/kth-smallestlargest-element-unsorted-array-set-2-expected-linear-time-2/)
6. [K’th Smallest/Largest Element in Unsorted Array | Set 3 (Worst Case Linear Time)](https://www.geeksforgeeks.org/kth-smallestlargest-element-unsorted-array-set-3-worst-case-linear-time/)
7. [Find the largest three elements in an array](https://www.geeksforgeeks.org/find-the-largest-three-elements-in-an-array/)
8. [Find all elements in array which have at-least two greater elements](https://www.geeksforgeeks.org/find-elements-array-least-two-greater-elements/)
9. [Find k pairs with smallest sums in two arrays](https://www.geeksforgeeks.org/find-k-pairs-smallest-sums-two-arrays/)
10. [k-th smallest absolute difference of two elements in an array](https://www.geeksforgeeks.org/k-th-smallest-absolute-difference-two-elements-array/)
11. [Find Second largest element in an array](https://www.geeksforgeeks.org/find-second-largest-element-array/)
12. [Find k numbers with most occurrences in the given array](https://www.geeksforgeeks.org/find-k-numbers-occurrences-given-array/)
13. [Find the smallest and second smallest elements in an array](https://www.geeksforgeeks.org/to-find-smallest-and-second-smallest-element-in-an-array/)
14. [Next Greater Element](https://www.geeksforgeeks.org/next-greater-element/)
15. [Find the smallest missing number](https://www.geeksforgeeks.org/find-the-first-missing-number/)
16. [Maximum sum such that no two elements are adjacent](https://www.geeksforgeeks.org/maximum-sum-such-that-no-two-elements-are-adjacent/)
17. [Maximum and minimum of an array using minimum number of comparisons](https://www.geeksforgeeks.org/maximum-and-minimum-in-an-array/)
18. [Maximum difference between two elements such that larger element appears after the smaller number](https://www.geeksforgeeks.org/maximum-difference-between-two-elements/)
19. [Given an array arr[], find the maximum j – i such that arr[j] > arr[i]](https://www.geeksforgeeks.org/given-an-array-arr-find-the-maximum-j-i-such-that-arrj-arri/)
20. [Maximum of all subarrays of size k](https://www.geeksforgeeks.org/sliding-window-maximum-maximum-of-all-subarrays-of-size-k/)
21. [Find the minimum distance between two numbers](https://www.geeksforgeeks.org/find-the-minimum-distance-between-two-numbers/)
22. [Find the maximum element in an array which is first increasing and then decreasing](https://www.geeksforgeeks.org/find-the-maximum-element-in-an-array-which-is-first-increasing-and-then-decreasing/)
23. [Count smaller elements on right side](https://www.geeksforgeeks.org/count-smaller-elements-on-right-side/)
24. [Longest Monotonically Increasing Subsequence Size (N log N)](https://www.geeksforgeeks.org/longest-monotonically-increasing-subsequence-size-n-log-n/)
25. [Find the smallest positive number missing from an unsorted array | Set 1](https://www.geeksforgeeks.org/find-the-smallest-positive-number-missing-from-an-unsorted-array/)
26. [Find the maximum repeating number in O(n) time and O(1) extra space](https://www.geeksforgeeks.org/find-the-maximum-repeating-number-in-ok-time/)
27. [Given an array of of size n and a number k, find all elements that appear more than n/k times](https://www.geeksforgeeks.org/given-an-array-of-of-size-n-finds-all-the-elements-that-appear-more-than-nk-times/)
28. [Find the Increasing subsequence of length three with maximum product](https://www.geeksforgeeks.org/increasing-subsequence-of-length-three-with-maximum-product/)
29. [Maximum Sum Path in Two Arrays](https://www.geeksforgeeks.org/maximum-sum-path-across-two-arrays/)
30. [Find the closest pair from two sorted arrays](https://www.geeksforgeeks.org/given-two-sorted-arrays-number-x-find-pair-whose-sum-closest-x/)
31. [Find the largest pair sum in an unsorted array](https://www.geeksforgeeks.org/find-the-largest-pair-sum-in-an-unsorted-array/)
32. [Online algorithm for checking palindrome in a stream](https://www.geeksforgeeks.org/online-algorithm-for-checking-palindrome-in-a-stream/)
33. [Find zeroes to be flipped so that number of consecutive 1’s is maximized](https://www.geeksforgeeks.org/find-zeroes-to-be-flipped-so-that-number-of-consecutive-1s-is-maximized/)
34. [Count Strictly Increasing Subarrays](https://www.geeksforgeeks.org/count-strictly-increasing-subarrays/)

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**Range Queries :**

1. [MO’s Algorithm](https://www.geeksforgeeks.org/mos-algorithm-query-square-root-decomposition-set-1-introduction/)
2. [Range Minimum Query (Square Root Decomposition and Sparse Table)](https://www.geeksforgeeks.org/range-minimum-query-for-static-array/)
3. [GCDs of given index ranges in an array](https://www.geeksforgeeks.org/gcds-of-a-given-index-ranges-in-an-array/)
4. [Range LCM Queries](https://www.geeksforgeeks.org/range-lcm-queries/)
5. [Sqrt (or Square Root) Decomposition Technique | Set 1 (Introduction)](https://www.geeksforgeeks.org/sqrt-square-root-decomposition-technique-set-1-introduction/)
6. [Range Queries for Frequencies of array elements](https://www.geeksforgeeks.org/range-queries-for-frequencies-of-array-elements/)
7. [Constant time range add operation on an array](https://www.geeksforgeeks.org/constant-time-range-add-operation-array/)
8. [Find whether a subarray is in form of a mountain or not](https://www.geeksforgeeks.org/find-whether-subarray-form-mountain-not/)
9. [Queries for GCD of all numbers of an array except elements in a given range](https://www.geeksforgeeks.org/queries-gcd-numbers-array-except-elements-given-range/)
10. [Number of elements less than or equal to a given number in a given subarray](https://www.geeksforgeeks.org/number-elements-less-equal-given-number-given-subarray/)
11. [Number of elements less than or equal to a given number in a given subarray | Set 2 (Including Updates)](https://www.geeksforgeeks.org/number-elements-less-equal-given-number-given-subarray-set-2-including-updates/)
12. [Check in binary array the number represented by a subarray is odd or even](https://www.geeksforgeeks.org/check-binary-array-number-represented-subarray-odd-even/)
13. [Queries for counts of array elements with values in given range](https://www.geeksforgeeks.org/queries-counts-array-elements-values-given-range/)
14. [Queries for decimal values of subarrays of a binary array](https://www.geeksforgeeks.org/queries-for-decimal-values-of-subarray-of-a-binary-array/)
15. [Merge Overlapping Intervals](https://www.geeksforgeeks.org/merging-intervals/)
16. [Check if any two intervals overlap among a given set of intervals](https://www.geeksforgeeks.org/check-if-any-two-intervals-overlap-among-a-given-set-of-intervals/)

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**Optimization Problems :**

1. [Largest Sum Contiguous Subarray](https://www.geeksforgeeks.org/largest-sum-contiguous-subarray/)
2. [Maximum profit by buying and selling a share at most twice](https://www.geeksforgeeks.org/maximum-profit-by-buying-and-selling-a-share-at-most-twice/)
3. [Find the subarray with least average](https://www.geeksforgeeks.org/find-subarray-least-average/)
4. [Find the minimum distance between two numbers](https://www.geeksforgeeks.org/find-the-minimum-distance-between-two-numbers/)
5. [Minimize the maximum difference between the heights](https://www.geeksforgeeks.org/minimize-the-maximum-difference-between-the-heights/)
6. [Minimum number of jumps to reach end](https://www.geeksforgeeks.org/minimum-number-of-jumps-to-reach-end-of-a-given-array/)
7. [Dynamic Programming | Set 14 (Maximum Sum Increasing Subsequence)](https://www.geeksforgeeks.org/dynamic-programming-set-14-maximum-sum-increasing-subsequence/)
8. [Smallest subarray with sum greater than a given value](https://www.geeksforgeeks.org/minimum-length-subarray-sum-greater-given-value/)
9. [Find maximum average subarray of k length](https://www.geeksforgeeks.org/find-maximum-average-subarray-of-k-length/)
10. [Count minimum steps to get the given desired array](https://www.geeksforgeeks.org/count-minimum-steps-get-given-desired-array/)
11. [Find minimum number of merge operations to make an array palindrome](https://www.geeksforgeeks.org/find-minimum-number-of-merge-operations-to-make-an-array-palindrome/)
12. [Find the smallest positive integer value that cannot be represented as sum of any subset of a given array](https://www.geeksforgeeks.org/find-smallest-value-represented-sum-subset-given-array/)
13. [Find minimum difference between any two elements](https://www.geeksforgeeks.org/find-minimum-difference-pair/)
14. [Longest Span with same Sum in two Binary arrays](https://www.geeksforgeeks.org/longest-span-sum-two-binary-arrays/)

**Searching and Sorting :**

1. [Search, insert and delete in an unsorted array](https://www.geeksforgeeks.org/search-insert-and-delete-in-an-unsorted-array/)
2. [Search, insert and delete in a sorted array](https://www.geeksforgeeks.org/search-insert-and-delete-in-a-sorted-array/)
3. [Given an array A[] and a number x, check for pair in A[] with sum as x](https://www.geeksforgeeks.org/write-a-c-program-that-given-a-set-a-of-n-numbers-and-another-number-x-determines-whether-or-not-there-exist-two-elements-in-s-whose-sum-is-exactly-x/)
4. [Majority Element](https://www.geeksforgeeks.org/majority-element/)
5. [Find the Number Occurring Odd Number of Times](https://www.geeksforgeeks.org/find-the-number-occurring-odd-number-of-times/)
6. [Find the Missing Number](https://www.geeksforgeeks.org/find-the-missing-number/)
7. [Merge an array of size n into another array of size m+n](https://www.geeksforgeeks.org/merge-one-array-of-size-n-into-another-one-of-size-mn/)
8. [Leaders in an array](https://www.geeksforgeeks.org/leaders-in-an-array/)
9. [Sort elements by frequency | Set 1](https://www.geeksforgeeks.org/sort-elements-by-frequency/)
10. [Count Inversions in an array | Set 1 (Using Merge Sort)](https://www.geeksforgeeks.org/counting-inversions/)
11. [Two elements whose sum is closest to zero](https://www.geeksforgeeks.org/two-elements-whose-sum-is-closest-to-zero/)
12. [Check for Majority Element in a sorted array](https://www.geeksforgeeks.org/check-for-majority-element-in-a-sorted-array/)
13. [Union and Intersection of two sorted arrays](https://www.geeksforgeeks.org/union-and-intersection-of-two-sorted-arrays-2/)
14. [Ceiling in a sorted array](https://www.geeksforgeeks.org/ceiling-in-a-sorted-array/)
15. [Find the two repeating elements in a given array](https://www.geeksforgeeks.org/find-the-two-repeating-elements-in-a-given-array/)
16. [Sort an array of 0s, 1s and 2s](https://www.geeksforgeeks.org/sort-an-array-of-0s-1s-and-2s/)
17. [Find the Minimum length Unsorted Subarray, sorting which makes the complete array sorted](https://www.geeksforgeeks.org/minimum-length-unsorted-subarray-sorting-which-makes-the-complete-array-sorted/)
18. [Equilibrium index of an array](https://www.geeksforgeeks.org/equilibrium-index-of-an-array/)
19. [Count number of occurrences (or frequency) in a sorted array](https://www.geeksforgeeks.org/count-number-of-occurrences-or-frequency-in-a-sorted-array/)
20. [Find the repeating and the missing | Added 3 new methods](https://www.geeksforgeeks.org/find-a-repeating-and-a-missing-number/)
21. [Median in a stream of integers (running integers)](https://www.geeksforgeeks.org/median-of-stream-of-integers-running-integers/)
22. [Find a Fixed Point in a given array](https://www.geeksforgeeks.org/find-a-fixed-point-in-a-given-array/)
23. [Find sub-array with given sum](https://www.geeksforgeeks.org/find-subarray-with-given-sum/)
24. [Find a triplet that sum to a given value](https://www.geeksforgeeks.org/find-a-triplet-that-sum-to-a-given-value/)
25. [Find the two numbers with odd occurrences in an unsorted array](https://www.geeksforgeeks.org/find-the-two-numbers-with-odd-occurences-in-an-unsorted-array/)
26. [Find a pair with the given difference](https://www.geeksforgeeks.org/find-a-pair-with-the-given-difference/)
27. [Find four elements that sum to a given value | Set 1 (n^3 solution)](https://www.geeksforgeeks.org/find-four-numbers-with-sum-equal-to-given-sum/)
28. [Find four elements that sum to a given value | Set 2 ( O(n^2Logn) Solution)](https://www.geeksforgeeks.org/find-four-elements-that-sum-to-a-given-value-set-2/)
29. [Median of two sorted arrays of different sizes](https://www.geeksforgeeks.org/median-of-two-sorted-arrays-of-different-sizes/)
30. [Count the number of possible triangles](https://www.geeksforgeeks.org/find-number-of-triangles-possible/)
31. [Find a peak element](https://www.geeksforgeeks.org/find-a-peak-in-a-given-array/)
32. [Find number of pairs (x, y) in an array such that x^y > y^x](https://www.geeksforgeeks.org/find-number-pairs-xy-yx/)
33. [Count all distinct pairs with difference equal to k](https://www.geeksforgeeks.org/count-pairs-difference-equal-k/)
34. [Find if there is a sub-array with 0 sum](https://www.geeksforgeeks.org/find-if-there-is-a-subarray-with-0-sum/)
35. [Given a sorted array and a number x, find the pair in array whose sum is closest to x](https://www.geeksforgeeks.org/given-sorted-array-number-x-find-pair-array-whose-sum-closest-x/)
36. [Count 1’s in a sorted binary array](https://www.geeksforgeeks.org/count-1s-sorted-binary-array/)
37. [Print All Distinct Elements of a given integer array](https://www.geeksforgeeks.org/print-distinct-elements-given-integer-array/)
38. [Construct an array from its pair-sum array](https://www.geeksforgeeks.org/construct-array-pair-sum-array/)
39. [Find common elements in three sorted arrays](https://www.geeksforgeeks.org/find-common-elements-three-sorted-arrays/)
40. [Find the first repeating element in an array of integers](https://www.geeksforgeeks.org/find-first-repeating-element-array-integers/)
41. [Find position of an element in a sorted array of infinite numbers](https://www.geeksforgeeks.org/find-position-element-sorted-array-infinite-numbers/)
42. [Check if a given array contains duplicate elements within k distance from each other](https://www.geeksforgeeks.org/check-given-array-contains-duplicate-elements-within-k-distance/)
43. [Find the element that appears once](http://quiz.geeksforgeeks.org/find-the-element-that-appears-once/)
44. [Find Union and Intersection of two unsorted arrays](https://www.geeksforgeeks.org/find-union-and-intersection-of-two-unsorted-arrays/)
45. [Delete an element from array (Using two traversals and one traversal)](https://www.geeksforgeeks.org/delete-an-element-from-array-using-two-traversals-and-one-traversal/)
46. [Count frequencies of all elements in array in O(1) extra space and O(n) time](https://www.geeksforgeeks.org/count-frequencies-elements-array-o1-extra-space-time/)
47. [Trapping Rain Water](https://www.geeksforgeeks.org/trapping-rain-water/)
48. [Count triplets with sum smaller than a given value](https://www.geeksforgeeks.org/count-triplets-with-sum-smaller-that-a-given-value/)
49. [Count Inversions of size three in a given array](https://www.geeksforgeeks.org/count-inversions-of-size-three-in-a-give-array/)
50. [Merge two sorted arrays with O(1) extra space](https://www.geeksforgeeks.org/merge-two-sorted-arrays-o1-extra-space/)
51. [Find lost element from a duplicated array](https://www.geeksforgeeks.org/find-lost-element-from-a-duplicated-array/)
52. [Count pairs with given sum](https://www.geeksforgeeks.org/count-pairs-with-given-sum/)

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3. [Inplace rotate square matrix by 90 degrees | Set 1](https://www.geeksforgeeks.org/inplace-rotate-square-matrix-by-90-degrees/)
4. [Rotate a matrix by 90 degree without using any extra space | Set 2](https://www.geeksforgeeks.org/rotate-matrix-90-degree-without-using-extra-space-set-2/)
5. [Rotate each ring of matrix anticlockwise by K elements](https://www.geeksforgeeks.org/rotate-ring-matrix-anticlockwise-k-elements/)
6. [Check if all rows of a matrix are circular rotations of each other](https://www.geeksforgeeks.org/check-rows-matrix-circular-rotations/)
7. [Magic Square](https://www.geeksforgeeks.org/magic-square/)
8. [Find the row with maximum number of 1s](https://www.geeksforgeeks.org/find-the-row-with-maximum-number-1s/)
9. [Find the number of islands](https://www.geeksforgeeks.org/find-number-of-islands/)
10. [Magic Square | Even Order](https://www.geeksforgeeks.org/magic-square-even-order/)
11. [Find median in row wise sorted matrix](https://www.geeksforgeeks.org/find-median-row-wise-sorted-matrix/)
12. [Number of cells a queen can move with obstacles on the chessborad](https://www.geeksforgeeks.org/number-cells-queen-can-move-obstacles-chessborad/)
13. [Matrix Multiplication | Recursive](https://www.geeksforgeeks.org/matrix-multiplication-recursive/)
14. [Program to print Lower triangular and Upper triangular matrix of an array](https://www.geeksforgeeks.org/program-print-lower-triangular-upper-triangular-matrix-array/)
15. [Find distinct elements common to all rows of a matrix](https://www.geeksforgeeks.org/find-distinct-elements-common-rows-matrix/)