1. [Rearrange an array such that arr[i] = i](https://www.geeksforgeeks.org/rearrange-array-arri/)
2. [Write a program to reverse an array or string](https://www.geeksforgeeks.org/write-a-program-to-reverse-an-array-or-string/)
3. [Rearrange array such that arr[i] >= arr[j] if i is even and arr[i]<=arr[j] if i is odd and j < i](https://www.geeksforgeeks.org/rearrange-array-arri-arrj-even-arri/)
4. [Rearrange positive and negative numbers in O(n) time and O(1) extra space](https://www.geeksforgeeks.org/rearrange-positive-and-negative-numbers-publish/)
5. [Rearrange array in alternating positive & negative items with O(1) extra space | Set 1](https://www.geeksforgeeks.org/rearrange-array-alternating-positive-negative-items-o1-extra-space/)
6. [Move all zeroes to end of array](https://www.geeksforgeeks.org/move-zeroes-end-array/)
7. [Move all zeroes to end of array | Set-2 (Using single traversal)](https://www.geeksforgeeks.org/move-zeroes-end-array-set-2-using-single-traversal/)
8. [Minimum swaps required to bring all elements less than or equal to k together](https://www.geeksforgeeks.org/minimum-swaps-required-bring-elements-less-equal-k-together/)
9. [Rearrange positive and negative numbers using inbuilt sort function](https://www.geeksforgeeks.org/rearrange-positive-negative-numbers-using-inbuilt-sort-function/)
10. [Rearrange array such that even positioned are greater than odd](https://www.geeksforgeeks.org/rearrange-array-such-that-even-positioned-are-greater-than-odd/)
11. [Rearrange an array in order – smallest, largest, 2nd smallest, 2nd largest, ..](https://www.geeksforgeeks.org/rearrange-array-order-smallest-largest-2nd-smallest-2nd-largest/)
12. [Double the first element and move zero to end](https://www.geeksforgeeks.org/double-first-element-move-zero-end/)
13. [Reorder an array according to given indexes](https://www.geeksforgeeks.org/reorder-a-array-according-to-given-indexes/)
14. [Rearrange positive and negative numbers with constant extra space](https://www.geeksforgeeks.org/rearrange-positive-and-negative-numbers/)
15. [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/)
16. [Rearrange an array such that ‘arr[j]’ becomes ‘i’ if ‘arr[i]’ is ‘j’](https://www.geeksforgeeks.org/rearrange-array-arrj-becomes-arri-j/)
17. [Rearrange an array in maximum minimum form | Set 1](https://www.geeksforgeeks.org/rearrange-array-maximum-minimum-form/)
18. [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/)
19. Move all negative numbers to beginning and positive to end with constant extra space
20. [Move all negative elements to end in order with extra space allowed](https://www.geeksforgeeks.org/move-ve-elements-end-order-extra-space-allowed/)
21. [Rearrange array such that even index elements are smaller and odd index elements are greater](https://www.geeksforgeeks.org/rearrange-array-even-index-elements-smaller-odd-index-elements-greater/)
22. [Positive elements at even and negative at odd positions](https://www.geeksforgeeks.org/positive-elements-even-negative-odd-positions/)
23. [Replace every array element by multiplication of previous and next](https://www.geeksforgeeks.org/replace-every-array-element-by-multiplication-of-previous-and-next/)
24. [Shuffle a given array](https://www.geeksforgeeks.org/shuffle-a-given-array/)
25. [Segregate even and odd numbers](https://www.geeksforgeeks.org/segregate-even-odd-numbers-set-3/)
26. [Segregate 0s and 1s in an array](https://www.geeksforgeeks.org/segregate-0s-and-1s-in-an-array-by-traversing-array-once/)
27. [Longest Bitonic Subsequence](https://www.geeksforgeeks.org/dynamic-programming-set-15-longest-bitonic-subsequence/)
28. [Find a sorted subsequence of size 3 in linear time](https://www.geeksforgeeks.org/find-a-sorted-subsequence-of-size-3-in-linear-time/)
29. [Largest subarray with equal number of 0s and 1s](https://www.geeksforgeeks.org/largest-subarray-with-equal-number-of-0s-and-1s/)
30. [Maximum Product Sub-array](https://www.geeksforgeeks.org/maximum-product-subarray/)
31. [Replace every element with the greatest element on right side](https://www.geeksforgeeks.org/replace-every-element-with-the-greatest-on-right-side/)
32. [Maximum circular subarray sum](https://www.geeksforgeeks.org/maximum-contiguous-circular-sum/)
33. [Construction of Longest Increasing Subsequence (N log N)](https://www.geeksforgeeks.org/construction-of-longest-monotonically-increasing-subsequence-n-log-n/)
34. [Sort elements by frequency | Set 2](https://www.geeksforgeeks.org/sort-elements-by-frequency-set-2/)
35. [Maximize sum of consecutive differences in a circular array](https://www.geeksforgeeks.org/maximize-sum-consecutive-differences-circular-array/)
36. [Sort an array according to the order defined by another array](https://www.geeksforgeeks.org/sort-array-according-order-defined-another-array/)
37. [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/)
38. [Three way partitioning of an array around a given range](https://www.geeksforgeeks.org/three-way-partitioning-of-an-array-around-a-given-range/)
39. [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/)
40. [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/)
41. [Convert array into Zig-Zag fashion](https://www.geeksforgeeks.org/convert-array-into-zig-zag-fashion/)
42. [Form minimum number from given sequence](https://www.geeksforgeeks.org/form-minimum-number-from-given-sequence/)
43. [Replace two consecutive equal values with one greater](https://www.geeksforgeeks.org/replace-two-consecutive-equal-values-one-greater/)
44. [Rearrange a binary string as alternate x and y occurrences](https://www.geeksforgeeks.org/rearrange-binary-string-alternate-x-y-occurrences/)
45. [Distinct adjacent elements in an array](https://www.geeksforgeeks.org/distinct-adjacent-elements-array/)
46. [Shuffle 2n integers as a1-b1-a2-b2-a3-b3-..bn without using extra space](https://www.geeksforgeeks.org/shuffle-2n-integers-a1-b1-a2-b2-a3-b3-bn-without-using-extra-space/)
47. [Merge k sorted arrays](https://www.geeksforgeeks.org/merge-k-sorted-arrays/)