**Array:**

1. [Given an array A[] and a number x, check for pair in A[] with sum as x](http://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/)
2. [Majority Element](http://www.geeksforgeeks.org/majority-element/)
3. [Find the Number Occurring Odd Number of Times](http://www.geeksforgeeks.org/find-the-number-occurring-odd-number-of-times/)
4. [Largest Sum Contiguous Subarray](http://www.geeksforgeeks.org/largest-sum-contiguous-subarray/)
5. [Find the Missing Number](http://www.geeksforgeeks.org/find-the-missing-number/)
6. [Search an element in a sorted and pivoted array](http://www.geeksforgeeks.org/search-an-element-in-a-sorted-and-pivoted-array/)
7. [Merge an array of size n into another array of size m+n](http://www.geeksforgeeks.org/merge-one-array-of-size-n-into-another-one-of-size-mn/)
8. [Median of two sorted arrays](http://www.geeksforgeeks.org/median-of-two-sorted-arrays/)
9. [Write a program to reverse an array](http://www.geeksforgeeks.org/write-a-program-to-reverse-an-array/)
10. [Program for array rotation](http://www.geeksforgeeks.org/array-rotation/)
11. [Reversal algorithm for array rotation](http://www.geeksforgeeks.org/program-for-array-rotation-continued-reversal-algorithm/)
12. [Block swap algorithm for array rotation](http://www.geeksforgeeks.org/block-swap-algorithm-for-array-rotation/)
13. [Maximum sum such that no two elements are adjacent](http://www.geeksforgeeks.org/maximum-sum-such-that-no-two-elements-are-adjacent/)
14. [Leaders in an array](http://www.geeksforgeeks.org/leaders-in-an-array/)
15. [Sort elements by frequency | Set 1](http://www.geeksforgeeks.org/sort-elements-by-frequency/)
16. [Count Inversions in an array](http://www.geeksforgeeks.org/counting-inversions/)
17. [Two elements whose sum is closest to zero](http://www.geeksforgeeks.org/two-elements-whose-sum-is-closest-to-zero/)
18. [Find the smallest and second smallest element in an array](http://www.geeksforgeeks.org/to-find-smallest-and-second-smallest-element-in-an-array/)
19. [Check for Majority Element in a sorted array](http://www.geeksforgeeks.org/check-for-majority-element-in-a-sorted-array/)
20. [Maximum and minimum of an array using minimum number of comparisons](http://www.geeksforgeeks.org/maximum-and-minimum-in-an-array/)
21. [Segregate 0s and 1s in an array](http://www.geeksforgeeks.org/segregate-0s-and-1s-in-an-array-by-traversing-array-once/)
22. [k largest(or smallest) elements in an array | added Min Heap method](http://www.geeksforgeeks.org/k-largestor-smallest-elements-in-an-array/)
23. [Maximum difference between two elements](http://www.geeksforgeeks.org/maximum-difference-between-two-elements/)
24. [Union and Intersection of two sorted arrays](http://www.geeksforgeeks.org/union-and-intersection-of-two-sorted-arrays-2/)
25. [Floor and Ceiling in a sorted array](http://www.geeksforgeeks.org/search-floor-and-ceil-in-a-sorted-array/)
26. [A Product Array Puzzle](http://www.geeksforgeeks.org/a-product-array-puzzle/)
27. [Segregate Even and Odd numbers](http://www.geeksforgeeks.org/segregate-even-and-odd-numbers/)
28. [Find the two repeating elements in a given array](http://www.geeksforgeeks.org/find-the-two-repeating-elements-in-a-given-array/)
29. [Sort an array of 0s, 1s and 2s](http://www.geeksforgeeks.org/sort-an-array-of-0s-1s-and-2s/)
30. [Find the Minimum length Unsorted Subarray, sorting which makes the complete array sorted](http://www.geeksforgeeks.org/minimum-length-unsorted-subarray-sorting-which-makes-the-complete-array-sorted/)
31. [Find duplicates in O(n) time and O(1) extra space](http://www.geeksforgeeks.org/find-duplicates-in-on-time-and-constant-extra-space/)
32. [Equilibrium index of an array](http://www.geeksforgeeks.org/equilibrium-index-of-an-array/)
33. [Linked List vs Array](http://www.geeksforgeeks.org/linked-list-vs-array/)
34. [Which sorting algorithm makes minimum number of memory writes?](http://www.geeksforgeeks.org/which-sorting-algorithm-makes-minimum-number-of-writes/)
35. [Turn an image by 90 degree](http://www.geeksforgeeks.org/turn-an-image-by-90-degree/)
36. [Next Greater Element](http://www.geeksforgeeks.org/next-greater-element/)
37. [Check if array elements are consecutive | Added Method 3](http://www.geeksforgeeks.org/check-if-array-elements-are-consecutive/)
38. [Find the smallest missing number](http://www.geeksforgeeks.org/find-the-first-missing-number/)
39. [Count the number of occurrences in a sorted array](http://www.geeksforgeeks.org/count-number-of-occurrences-in-a-sorted-array/)
40. [Interpolation search vs Binary search](http://www.geeksforgeeks.org/g-fact-84/)
41. [Given an array arr[], find the maximum j – i such that arr[j] > arr[i]](http://www.geeksforgeeks.org/given-an-array-arr-find-the-maximum-j-i-such-that-arrj-arri/)
42. [Maximum of all subarrays of size k (Added a O(n) method)](http://www.geeksforgeeks.org/maximum-of-all-subarrays-of-size-k/)
43. [Find whether an array is subset of another array | Added Method 3](http://www.geeksforgeeks.org/find-whether-an-array-is-subset-of-another-array-set-1/)
44. [Find the minimum distance between two numbers](http://www.geeksforgeeks.org/find-the-minimum-distance-between-two-numbers/)
45. [Find the repeating and the missing | Added 3 new methods](http://www.geeksforgeeks.org/find-a-repeating-and-a-missing-number/)
46. [Median in a stream of integers (running integers)](http://www.geeksforgeeks.org/median-of-stream-of-integers-running-integers/)
47. [Find a Fixed Point in a given array](http://www.geeksforgeeks.org/find-a-fixed-point-in-a-given-array/)
48. [Maximum Length Bitonic Subarray](http://www.geeksforgeeks.org/maximum-length-bitonic-subarray/)
49. [Find the maximum element in an array which is first increasing and then decreasing](http://www.geeksforgeeks.org/find-the-maximum-element-in-an-array-which-is-first-increasing-and-then-decreasing/)
50. [Count smaller elements on right side](http://www.geeksforgeeks.org/count-smaller-elements-on-right-side/)
51. [Minimum number of jumps to reach end](http://www.geeksforgeeks.org/minimum-number-of-jumps-to-reach-end-of-a-given-array/)
52. [Implement two stacks in an array](http://www.geeksforgeeks.org/implement-two-stacks-in-an-array/)
53. [Find subarray with given sum](http://www.geeksforgeeks.org/find-subarray-with-given-sum/)
54. [Dynamic Programming | Set 14 (Maximum Sum Increasing Subsequence)](http://www.geeksforgeeks.org/dynamic-programming-set-14-maximum-sum-increasing-subsequence/)
55. [Longest Monotonically Increasing Subsequence Size (N log N)](http://www.geeksforgeeks.org/longest-monotonically-increasing-subsequence-size-n-log-n/)
56. [Find a triplet that sum to a given value](http://www.geeksforgeeks.org/find-a-triplet-that-sum-to-a-given-value/)
57. [Find the smallest positive number missing from an unsorted array](http://www.geeksforgeeks.org/find-the-smallest-positive-number-missing-from-an-unsorted-array/)
58. [Find the two numbers with odd occurrences in an unsorted array](http://www.geeksforgeeks.org/find-the-two-numbers-with-odd-occurences-in-an-unsorted-array/)
59. [The Celebrity Problem](http://www.geeksforgeeks.org/the-celebrity-problem/)
60. [Dynamic Programming | Set 15 (Longest Bitonic Subsequence)](http://www.geeksforgeeks.org/dynamic-programming-set-15-longest-bitonic-subsequence/)
61. [Find a sorted subsequence of size 3 in linear time](http://www.geeksforgeeks.org/find-a-sorted-subsequence-of-size-3-in-linear-time/)
62. [Largest subarray with equal number of 0s and 1s](http://www.geeksforgeeks.org/largest-subarray-with-equal-number-of-0s-and-1s/)
63. [Dynamic Programming | Set 18 (Partition problem)](http://www.geeksforgeeks.org/dynamic-programming-set-18-partition-problem/)
64. [Maximum Product Subarray](http://www.geeksforgeeks.org/maximum-product-subarray/)
65. [Find a pair with the given difference](http://www.geeksforgeeks.org/find-a-pair-with-the-given-difference/)
66. [Replace every element with the next greatest](http://www.geeksforgeeks.org/replace-every-element-with-the-greatest-on-right-side/)
67. [Dynamic Programming | Set 20 (Maximum Length Chain of Pairs)](http://www.geeksforgeeks.org/dynamic-programming-set-20-maximum-length-chain-of-pairs/)
68. [Find four elements that sum to a given value | Set 1 (n^3 solution)](http://www.geeksforgeeks.org/find-four-numbers-with-sum-equal-to-given-sum/)
69. [Find four elements that sum to a given value | Set 2 ( O(n^2Logn) Solution)](http://www.geeksforgeeks.org/find-four-elements-that-sum-to-a-given-value-set-2/)
70. [Sort a nearly sorted (or K sorted) array](http://www.geeksforgeeks.org/nearly-sorted-algorithm/)
71. [Maximum circular subarray sum](http://www.geeksforgeeks.org/maximum-contiguous-circular-sum/)
72. [Find the row with maximum number of 1s](http://www.geeksforgeeks.org/find-the-row-with-maximum-number-1s/)
73. [Median of two sorted arrays of different sizes](http://www.geeksforgeeks.org/median-of-two-sorted-arrays-of-different-sizes/)
74. [Shuffle a given array](http://www.geeksforgeeks.org/shuffle-a-given-array/)
75. [Count the number of possible triangles](http://www.geeksforgeeks.org/find-number-of-triangles-possible/)
76. [Iterative Quick Sort](http://www.geeksforgeeks.org/iterative-quick-sort/)
77. [Find the number of islands](http://www.geeksforgeeks.org/find-number-of-islands/)
78. [Construction of Longest Monotonically Increasing Subsequence (N log N)](http://www.geeksforgeeks.org/construction-of-longest-monotonically-increasing-subsequence-n-log-n/)
79. [Find the first circular tour that visits all petrol pumps](http://www.geeksforgeeks.org/find-a-tour-that-visits-all-stations/)
80. [Arrange given numbers to form the biggest number](http://www.geeksforgeeks.org/given-an-array-of-numbers-arrange-the-numbers-to-form-the-biggest-number/)
81. [Pancake sorting](http://www.geeksforgeeks.org/pancake-sorting/)
82. [A Pancake Sorting Problem](http://www.geeksforgeeks.org/a-pancake-sorting-question/)
83. [Tug of War](http://www.geeksforgeeks.org/tug-of-war/)
84. [Divide and Conquer | Set 3 (Maximum Subarray Sum)](http://www.geeksforgeeks.org/divide-and-conquer-maximum-sum-subarray/)
85. [Counting Sort](http://www.geeksforgeeks.org/counting-sort/)
86. [Merge Overlapping Intervals](http://www.geeksforgeeks.org/merging-intervals/)
87. [Find the maximum repeating number in O(n) time and O(1) extra space](http://www.geeksforgeeks.org/find-the-maximum-repeating-number-in-ok-time/)
88. [Stock Buy Sell to Maximize Profit](http://www.geeksforgeeks.org/stock-buy-sell/)
89. [Rearrange positive and negative numbers in O(n) time and O(1) extra space](http://www.geeksforgeeks.org/rearrange-positive-and-negative-numbers-publish/)
90. [Sort elements by frequency | Set 2](http://www.geeksforgeeks.org/sort-elements-by-frequency-set-2/)
91. [Find a peak element](http://www.geeksforgeeks.org/find-a-peak-in-a-given-array/)
92. [Print all possible combinations of r elements in a given array of size n](http://www.geeksforgeeks.org/print-all-possible-combinations-of-r-elements-in-a-given-array-of-size-n/)
93. [Given an array of of size n and a number k, find all elements that appear more than n/k times](http://www.geeksforgeeks.org/given-an-array-of-of-size-n-finds-all-the-elements-that-appear-more-than-nk-times/)
94. [Find the point where a monotonically increasing function becomes positive first time](http://www.geeksforgeeks.org/find-the-point-where-a-function-becomes-negative/)
95. [Find the Increasing subsequence of length three with maximum product](http://www.geeksforgeeks.org/increasing-subsequence-of-length-three-with-maximum-product/)
96. [Find the minimum element in a sorted and rotated array](http://www.geeksforgeeks.org/find-minimum-element-in-a-sorted-and-rotated-array/)
97. [Stable Marriage Problem](http://www.geeksforgeeks.org/stable-marriage-problem/)
98. [Merge k sorted arrays | Set 1](http://www.geeksforgeeks.org/merge-k-sorted-arrays/)
99. [Radix Sort](http://www.geeksforgeeks.org/radix-sort/)
100. [Move all zeroes to end of array](http://www.geeksforgeeks.org/move-zeroes-end-array/)
101. [Find number of pairs such that x^y > y^x](http://www.geeksforgeeks.org/find-number-pairs-xy-yx/)
102. [Count all distinct pairs with difference equal to k](http://www.geeksforgeeks.org/count-pairs-difference-equal-k/)
103. [Find if there is a subarray with 0 sum](http://www.geeksforgeeks.org/find-if-there-is-a-subarray-with-0-sum/)
104. [Smallest subarray with sum greater than a given value](http://www.geeksforgeeks.org/minimum-length-subarray-sum-greater-given-value/)
105. [Sort an array according to the order defined by another array](http://www.geeksforgeeks.org/sort-array-according-order-defined-another-array/)
106. [Maximum Sum Path in Two Arrays](http://www.geeksforgeeks.org/maximum-sum-path-across-two-arrays/)
107. [Sort an array in wave form](http://www.geeksforgeeks.org/sort-array-wave-form-2/)
108. [K’th Smallest/Largest Element in Unsorted Array](http://www.geeksforgeeks.org/kth-smallestlargest-element-unsorted-array/)
109. [K’th Smallest/Largest Element in Unsorted Array in Expected Linear Time](http://www.geeksforgeeks.org/kth-smallestlargest-element-unsorted-array-set-2-expected-linear-time/)
110. [K’th Smallest/Largest Element in Unsorted Array in Worst Case Linear Time](http://www.geeksforgeeks.org/kth-smallestlargest-element-unsorted-array-set-3-worst-case-linear-time/)
111. [Find Index of 0 to be replaced with 1 to get longest continuous sequence of 1s in a binary array](http://www.geeksforgeeks.org/find-index-0-replaced-1-get-longest-continuous-sequence-1s-binary-array/)
112. [Find the closest pair from two sorted arrays](http://www.geeksforgeeks.org/given-two-sorted-arrays-number-x-find-pair-whose-sum-closest-x/)
113. [Given a sorted array and a number x, find the pair in array whose sum is closest to x](http://geeksquiz.com/given-sorted-array-number-x-find-pair-array-whose-sum-closest-x/)
114. [Count 1’s in a sorted binary array](http://geeksquiz.com/count-1s-sorted-binary-array/)
115. [Print All Distinct Elements of a given integer array](http://geeksquiz.com/print-distinct-elements-given-integer-array/)
116. [Construct an array from its pair-sum array](http://geeksquiz.com/construct-array-pair-sum-array/)
117. [Find common elements in three sorted arrays](http://www.geeksforgeeks.org/find-common-elements-three-sorted-arrays/)
118. [Find the first repeating element in an array of integers](http://www.geeksforgeeks.org/find-first-repeating-element-array-integers/)
119. [Find the smallest positive integer value that cannot be represented as sum of any subset of a given array](http://www.geeksforgeeks.org/find-smallest-value-represented-sum-subset-given-array/)
120. [Rearrange an array such that ‘arr[j]’ becomes ‘i’ if ‘arr[i]’ is ‘j’](http://www.geeksforgeeks.org/rearrange-array-arrj-becomes-arri-j/)
121. [Find position of an element in a sorted array of infinite numbers](http://www.geeksforgeeks.org/find-position-element-sorted-array-infinite-numbers/)
122. [Can QuickSort be implemented in O(nLogn) worst case time complexity?](http://www.geeksforgeeks.org/can-quicksort-implemented-onlogn-worst-case-time-complexity/)
123. [Check if a given array contains duplicate elements within k distance from each other](http://www.geeksforgeeks.org/check-given-array-contains-duplicate-elements-within-k-distance/)
124. [Find the element that appears once](http://geeksquiz.com/find-the-element-that-appears-once/)
125. [Replace every array element by multiplication of previous and next](http://geeksquiz.com/replace-every-array-element-by-multiplication-of-previous-and-next/)
126. [Check if any two intervals overlap among a given set of intervals](http://geeksquiz.com/check-if-any-two-intervals-overlap-among-a-given-set-of-intervals/)
127. [Delete an element from array (Using two traversals and one traversal)](http://geeksquiz.com/delete-an-element-from-array-using-two-traversals-and-one-traversal/)
128. [Find the largest pair sum in an unsorted array](http://www.geeksforgeeks.org/find-the-largest-pair-sum-in-an-unsorted-array/)
129. [Online algorithm for checking palindrome in a stream](http://www.geeksforgeeks.org/online-algorithm-for-checking-palindrome-in-a-stream/)
130. [Pythagorean Triplet in an array](http://www.geeksforgeeks.org/find-pythagorean-triplet-in-an-unsorted-array/)
131. [Maximum profit by buying and selling a share at most twice](http://www.geeksforgeeks.org/maximum-profit-by-buying-and-selling-a-share-at-most-twice/)
132. [Find Union and Intersection of two unsorted Arrays](http://www.geeksforgeeks.org/find-union-and-intersection-of-two-unsorted-arrays/)
133. [Count frequencies of all elements in array in O(1) extra space and O(n) time](http://www.geeksforgeeks.org/count-frequencies-elements-array-o1-extra-space-time/)
134. [Generate all possible sorted arrays from alternate elements of two given sorted arrays](http://www.geeksforgeeks.org/generate-all-possible-sorted-arrays-from-alternate-elements-of-two-given-arrays/)
135. [Minimum number of swaps required for arranging pairs adjacent to each other](http://www.geeksforgeeks.org/minimum-number-of-swaps-required-for-arranging-pairs-adjacent-to-each-other/)
136. [Trapping Rain Water](http://www.geeksforgeeks.org/trapping-rain-water/)
137. [Convert array into Zig-Zag fashion](http://www.geeksforgeeks.org/convert-array-into-zig-zag-fashion/)
138. [Find maximum average subarray of k length](http://www.geeksforgeeks.org/find-maximum-average-subarray-of-k-length/)
139. [Find maximum value of Sum( i\*arr[i]) with only rotations on given array allowed](http://www.geeksforgeeks.org/find-maximum-value-of-sum-iarri-with-only-rotations-on-given-array-allowed/)
140. [Reorder an array according to given indexes](http://www.geeksforgeeks.org/reorder-a-array-according-to-given-indexes/)
141. [Find zeroes to be flipped so that number of consecutive 1’s is maximized](http://www.geeksforgeeks.org/find-zeroes-to-be-flipped-so-that-number-of-consecutive-1s-is-maximized/)
142. [Count triplets with sum smaller than a given value](http://www.geeksforgeeks.org/count-triplets-with-sum-smaller-that-a-given-value/)
143. [Find the subarray with least average](http://www.geeksforgeeks.org/find-subarray-least-average/)
144. [Count Inversions of size three in a give array](http://www.geeksforgeeks.org/count-inversions-of-size-three-in-a-give-array/)
145. [Longest Span with same Sum in two Binary arrays](http://www.geeksforgeeks.org/longest-span-sum-two-binary-arrays/)
146. [Merge two sorted arrays with O(1) extra space](http://www.geeksforgeeks.org/merge-two-sorted-arrays-o1-extra-space/)
147. [Form minimum number from given sequence](http://www.geeksforgeeks.org/form-minimum-number-from-given-sequence/)
148. [Subarray/Substring vs Subsequence and Programs to Generate them](http://www.geeksforgeeks.org/subarraysubstring-vs-subsequence-and-programs-to-generate-them/)
149. [Count Strictly Increasing Subarrays](http://www.geeksforgeeks.org/count-strictly-increasing-subarrays/)
150. [Rearrange an array in maximum minimum form](http://www.geeksforgeeks.org/rearrange-array-maximum-minimum-form/)
151. [Find minimum difference between any two elements](http://www.geeksforgeeks.org/find-minimum-difference-pair/)
152. [Find lost element from a duplicated array](http://www.geeksforgeeks.org/find-lost-element-from-a-duplicated-array/)
153. [Count pairs with given sum](http://www.geeksforgeeks.org/count-pairs-with-given-sum/)
154. [Count minimum steps to get the given desired array](http://www.geeksforgeeks.org/count-minimum-steps-get-given-desired-array/)
155. [Find minimum number of merge operations to make an array palindrome](http://www.geeksforgeeks.org/find-minimum-number-of-merge-operations-to-make-an-array-palindrome/)
156. [Minimize the maximum difference between the heights](http://www.geeksforgeeks.org/minimize-the-maximum-difference-between-the-heights/)