**Singly Linked List:**

1. [Introduction to Linked List](http://geeksquiz.com/linked-list-set-1-introduction/)
2. [Linked List vs Array](http://www.geeksforgeeks.org/linked-list-vs-array/)
3. [Linked List Insertion](http://geeksquiz.com/linked-list-set-2-inserting-a-node/)
4. [Linked List Deletion (Deleting a given key)](http://geeksquiz.com/linked-list-set-3-deleting-node/)
5. [Linked List Deletion (Deleting a key at given position)](http://geeksquiz.com/delete-a-linked-list-node-at-a-given-position/)
6. [A Programmer’s approach of looking at Array vs. Linked List](http://geeksquiz.com/programmers-approach-looking-array-vs-linked-list/)
7. [Find Length of a Linked List (Iterative and Recursive)](http://geeksquiz.com/find-length-of-a-linked-list-iterative-and-recursive/)
8. [Search an element in a Linked List (Iterative and Recursive)](http://geeksquiz.com/search-an-element-in-a-linked-list-iterative-and-recursive/)
9. [How to write C functions that modify head pointer of a Linked List?](http://www.geeksforgeeks.org/how-to-write-functions-that-modify-the-head-pointer-of-a-linked-list/)
10. [Swap nodes in a linked list without swapping data](http://www.geeksforgeeks.org/swap-nodes-in-a-linked-list-without-swapping-data/)
11. [Write a function to get Nth node in a Linked List](http://www.geeksforgeeks.org/write-a-function-to-get-nth-node-in-a-linked-list/)
12. [Print the middle of a given linked list](http://www.geeksforgeeks.org/write-a-c-function-to-print-the-middle-of-the-linked-list/)
13. [Nth node from the end of a Linked List](http://www.geeksforgeeks.org/nth-node-from-the-end-of-a-linked-list/)
14. [Write a function to delete a Linked List](http://www.geeksforgeeks.org/write-a-function-to-delete-a-linked-list/)
15. [Write a function that counts the number of times a given int occurs in a Linked List](http://www.geeksforgeeks.org/write-a-function-that-counts-the-number-of-times-a-given-int-occurs-in-a-linked-list/)
16. [Reverse a linked list](http://www.geeksforgeeks.org/write-a-function-to-reverse-the-nodes-of-a-linked-list/)
17. [Detect loop in a linked list](http://www.geeksforgeeks.org/write-a-c-function-to-detect-loop-in-a-linked-list/)
18. [Merge two sorted linked lists](http://www.geeksforgeeks.org/merge-two-sorted-linked-lists/)
19. [Generic Linked List in C](http://www.geeksforgeeks.org/generic-linked-list-in-c-2/)
20. [Given a linked list which is sorted, how will you insert in sorted way](http://www.geeksforgeeks.org/given-a-linked-list-which-is-sorted-how-will-you-insert-in-sorted-way/)
21. [Given only a pointer to a node to be deleted in a singly linked list, how do you delete it?](http://www.geeksforgeeks.org/given-only-a-pointer-to-a-node-to-be-deleted-in-a-singly-linked-list-how-do-you-delete-it/)
22. [Function to check if a singly linked list is palindrome](http://www.geeksforgeeks.org/function-to-check-if-a-singly-linked-list-is-palindrome/)
23. [Intersection point of two Linked Lists.](http://www.geeksforgeeks.org/write-a-function-to-get-the-intersection-point-of-two-linked-lists/)
24. [Recursive function to print reverse of a Linked List](http://www.geeksforgeeks.org/write-a-recursive-function-to-print-reverse-of-a-linked-list/)
25. [Remove duplicates from a sorted linked list](http://www.geeksforgeeks.org/remove-duplicates-from-a-sorted-linked-list/)
26. [Remove duplicates from an unsorted linked list](http://www.geeksforgeeks.org/remove-duplicates-from-an-unsorted-linked-list/)
27. [Pairwise swap elements of a given linked list](http://www.geeksforgeeks.org/pairwise-swap-elements-of-a-given-linked-list/)
28. [Practice questions for Linked List and Recursion](http://www.geeksforgeeks.org/practice-questions-for-linked-list-and-recursion/)
29. [Move last element to front of a given Linked List](http://www.geeksforgeeks.org/move-last-element-to-front-of-a-given-linked-list/)
30. [Intersection of two Sorted Linked Lists](http://www.geeksforgeeks.org/intersection-of-two-sorted-linked-lists/)
31. [Delete alternate nodes of a Linked List](http://www.geeksforgeeks.org/delete-alternate-nodes-of-a-linked-list/)
32. [Alternating split of a given Singly Linked List](http://www.geeksforgeeks.org/alternating-split-of-a-given-singly-linked-list/)
33. [Identical Linked Lists](http://www.geeksforgeeks.org/identical-linked-lists/)
34. [Merge Sort for Linked Lists](http://www.geeksforgeeks.org/merge-sort-for-linked-list/)
35. [Reverse a Linked List in groups of given size](http://www.geeksforgeeks.org/reverse-a-list-in-groups-of-given-size/)
36. [Reverse alternate K nodes in a Singly Linked List](http://www.geeksforgeeks.org/reverse-alternate-k-nodes-in-a-singly-linked-list/)
37. [Delete nodes which have a greater value on right side](http://www.geeksforgeeks.org/delete-nodes-which-have-a-greater-value-on-right-side/)
38. [Segregate even and odd nodes in a Linked List](http://www.geeksforgeeks.org/segregate-even-and-odd-elements-in-a-linked-list/)
39. [Detect and Remove Loop in a Linked List](http://www.geeksforgeeks.org/detect-and-remove-loop-in-a-linked-list/)
40. [Add two numbers represented by linked lists | Set 1](http://www.geeksforgeeks.org/add-two-numbers-represented-by-linked-lists/)
41. [Delete a given node in Linked List under given constraints](http://www.geeksforgeeks.org/delete-a-given-node-in-linked-list-under-given-constraints/)
42. [Union and Intersection of two Linked Lists](http://www.geeksforgeeks.org/union-and-intersection-of-two-linked-lists/)
43. [Find a triplet from three linked lists with sum equal to a given number](http://www.geeksforgeeks.org/find-a-triplet-from-three-linked-lists-with-sum-equal-to-a-given-number/)
44. [Rotate a Linked List](http://www.geeksforgeeks.org/rotate-a-linked-list/)
45. [Flattening a Linked List](http://www.geeksforgeeks.org/flattening-a-linked-list/)
46. [Add two numbers represented by linked lists | Set 2](http://www.geeksforgeeks.org/sum-of-two-linked-lists/)
47. [Sort a linked list of 0s, 1s and 2s](http://www.geeksforgeeks.org/sort-a-linked-list-of-0s-1s-or-2s/)
48. [Flatten a multilevel linked list](http://www.geeksforgeeks.org/flatten-a-linked-list-with-next-and-child-pointers/)
49. [Delete N nodes after M nodes of a linked list](http://www.geeksforgeeks.org/delete-n-nodes-after-m-nodes-of-a-linked-list/)
50. [QuickSort on Singly Linked List](http://www.geeksforgeeks.org/quicksort-on-singly-linked-list/)
51. [Merge a linked list into another linked list at alternate positions](http://www.geeksforgeeks.org/merge-a-linked-list-into-another-linked-list-at-alternate-positions/)
52. [Pairwise swap elements of a given linked list by changing links](http://www.geeksforgeeks.org/pairwise-swap-elements-of-a-given-linked-list-by-changing-links/)
53. [Given a linked list of line segments, remove middle points](http://www.geeksforgeeks.org/given-linked-list-line-segments-remove-middle-points/)
54. [Construct a Maximum Sum Linked List out of two Sorted Linked Lists having some Common nodes](http://www.geeksforgeeks.org/maximum-sum-linked-list-two-sorted-linked-lists-common-nodes/)
55. [Can we reverse a linked list in less than O(n)?](http://geeksquiz.com/can-we-reverse-a-linked-list-in-less-than-on/)
56. [Clone a linked list with next and random pointer | Set 1](http://www.geeksforgeeks.org/a-linked-list-with-next-and-arbit-pointer/)
57. [Clone a linked list with next and random pointer | Set 2](http://www.geeksforgeeks.org/clone-linked-list-next-arbit-pointer-set-2/)
58. [Insertion Sort for Singly Linked List](http://geeksquiz.com/insertion-sort-for-singly-linked-list/)
59. [Point to next higher value node in a linked list with an arbitrary pointer](http://www.geeksforgeeks.org/point-to-next-higher-value-node-in-a-linked-list-with-an-arbitrary-pointer/)
60. [Rearrange a given linked list in-place.](http://www.geeksforgeeks.org/rearrange-a-given-linked-list-in-place/)
61. [Sort a linked list that is sorted alternating ascending and descending orders?](http://www.geeksforgeeks.org/how-to-sort-a-linked-list-that-is-sorted-alternating-ascending-and-descending-orders/)
62. [Select a Random Node from a Singly Linked List](http://www.geeksforgeeks.org/select-a-random-node-from-a-singly-linked-list/)
63. [Why Quick Sort preferred for Arrays and Merge Sort for Linked Lists?](http://www.geeksforgeeks.org/why-quick-sort-preferred-for-arrays-and-merge-sort-for-linked-lists/)
64. [Merge two sorted linked lists such that merged list is in reverse order](http://www.geeksforgeeks.org/merge-two-sorted-linked-lists-such-that-merged-list-is-in-reverse-order/)
65. [Compare two strings represented as linked lists](http://www.geeksforgeeks.org/compare-two-strings-represented-as-linked-lists/)

***Circular Linked List:***

1. [Circular Linked List Introduction and Applications,](http://geeksquiz.com/circular-linked-list/)
2. [Circular Linked List Traversal](http://geeksquiz.com/circular-linked-list-set-2-traversal/)
3. [Split a Circular Linked List into two halves](http://www.geeksforgeeks.org/split-a-circular-linked-list-into-two-halves/)
4. [Sorted insert for circular linked list](http://www.geeksforgeeks.org/sorted-insert-for-circular-linked-list/)

***Doubly Linked List:***

1. [Doubly Linked List Introduction and Insertion](http://geeksquiz.com/doubly-linked-list/)
2. [Delete a node in a Doubly Linked List](http://www.geeksforgeeks.org/delete-a-node-in-a-doubly-linked-list/)
3. [Reverse a Doubly Linked List](http://www.geeksforgeeks.org/reverse-a-doubly-linked-list/)
4. [The Great Tree-List Recursion Problem.](http://www.geeksforgeeks.org/the-great-tree-list-recursion-problem/)
5. [Copy a linked list with next and arbit pointer](http://www.geeksforgeeks.org/a-linked-list-with-next-and-arbit-pointer/)
6. [QuickSort on Doubly Linked List](http://www.geeksforgeeks.org/quicksort-for-linked-list/)
7. [Swap Kth node from beginning with Kth node from end in a Linked List](http://www.geeksforgeeks.org/swap-kth-node-from-beginning-with-kth-node-from-end-in-a-linked-list/)
8. [Merge Sort for Doubly Linked List](http://www.geeksforgeeks.org/merge-sort-for-doubly-linked-list/)

**Stack**

1. [Introduction to Stack](http://geeksquiz.com/stack-set-1/)
2. [Infix to Postfix Conversion using Stack](http://geeksquiz.com/stack-set-2-infix-to-postfix/)
3. [Evaluation of Postfix Expression](http://geeksquiz.com/stack-set-4-evaluation-postfix-expression/)
4. [Reverse a String using Stack](http://geeksquiz.com/stack-set-3-reverse-string-using-stack/)
5. [Implement two stacks in an array](http://www.geeksforgeeks.org/archives/18754)
6. [Check for balanced parentheses in an expression](http://www.geeksforgeeks.org/archives/6547)
7. [Next Greater Element](http://www.geeksforgeeks.org/archives/8405)
8. [Reverse a stack using recursion](http://www.geeksforgeeks.org/archives/6921)
9. [Sort a stack using recursion](http://www.geeksforgeeks.org/sort-a-stack-using-recursion/)
10. [The Stock Span Problem](http://www.geeksforgeeks.org/the-stock-span-problem/)
11. [Design and Implement Special Stack Data Structure](http://www.geeksforgeeks.org/design-and-implement-special-stack-data-structure/)
12. [Implement Stack using Queues](http://www.geeksforgeeks.org/implement-stack-using-queue/)
13. [Design a stack with operations on middle element](http://www.geeksforgeeks.org/design-a-stack-with-find-middle-operation/)
14. [How to create mergable stack?](http://geeksquiz.com/create-mergable-stack/)
15. [How to efficiently implement k stacks in a single array?](http://www.geeksforgeeks.org/efficiently-implement-k-stacks-single-array/)
16. [Iterative Tower of Hanoi](http://www.geeksforgeeks.org/iterative-tower-of-hanoi/)
17. [Length of the longest valid substring](http://www.geeksforgeeks.org/length-of-the-longest-valid-substring/)
18. [Find maximum of minimum for every window size in a given array](http://www.geeksforgeeks.org/find-the-maximum-of-minimums-for-every-window-size-in-a-given-array/)
19. [Check if a given array can represent Preorder Traversal of Binary Search Tree](http://www.test.geeksforgeeks.org/check-if-a-given-array-can-represent-preorder-traversal-of-binary-search-tree/)
20. [Minimum number of bracket reversals needed to make an expression balanced](http://www.geeksforgeeks.org/minimum-number-of-bracket-reversals-needed-to-make-an-expression-balanced/)
21. [Iterative Depth First Traversal of Graph](http://www.geeksforgeeks.org/iterative-depth-first-traversal/)
22. [Sort a stack using recursion](http://www.geeksforgeeks.org/sort-a-stack-using-recursion/)
23. [How to create mergable stack?](http://geeksquiz.com/create-mergable-stack/)
24. [Print ancestors of a given binary tree node without recursion](http://www.geeksforgeeks.org/print-ancestors-of-a-given-binary-tree-node-without-recursion/)
25. [Expression Evaluation](http://www.geeksforgeeks.org/expression-evaluation/)
26. [Largest Rectangular Area in a Histogram | Set 2](http://www.geeksforgeeks.org/largest-rectangle-under-histogram/)
27. [The Celebrity Problem](http://www.geeksforgeeks.org/the-celebrity-problem/)
28. [Iterative Postorder Traversal | Set 2 (Using One Stack)](http://www.geeksforgeeks.org/iterative-postorder-traversal-using-stack/)
29. [Iterative Postorder Traversal | Set 1 (Using Two Stacks)](http://www.geeksforgeeks.org/iterative-postorder-traversal/)

Queue

1. [Queue Introduction and Array Implementation](http://geeksquiz.com/queue-set-1introduction-and-array-implementation/)
2. [Linked List Implementation of Queue](http://geeksquiz.com/queue-set-2-linked-list-implementation/)
3. [Applications of Queue Data Structure](http://www.geeksforgeeks.org/archives/11042)
4. [Priority Queue Introduction](http://geeksquiz.com/priority-queue-set-1-introduction/)
5. [Deque (Introduction and Applications)](http://geeksquiz.com/deque-set-1-introduction-applications/)
6. [Implement Queue using Stacks](http://www.geeksforgeeks.org/archives/5009)
7. [Check whether a given Binary Tree is Complete or not](http://www.geeksforgeeks.org/archives/23449)
8. [Find the largest multiple of 3](http://www.geeksforgeeks.org/find-the-largest-number-multiple-of-3/)
9. [Find the first circular tour that visits all petrol pumps](http://www.geeksforgeeks.org/find-a-tour-that-visits-all-stations/)
10. [Maximum of all subarrays of size k](http://www.geeksforgeeks.org/maximum-of-all-subarrays-of-size-k/)
11. [An Interesting Method to Generate Binary Numbers from 1 to n](http://www.geeksforgeeks.org/interesting-method-generate-binary-numbers-1-n/)
12. [How to efficiently implement k Queues in a single array?](http://www.geeksforgeeks.org/efficiently-implement-k-queues-single-array/)
13. [Minimum time required to rot all oranges](http://www.geeksforgeeks.org/minimum-time-required-so-that-all-oranges-become-rotten/)
14. [Iterative Method to find Height of Binary Tree](http://www.geeksforgeeks.org/iterative-method-to-find-height-of-binary-tree/)
15. [Construct Complete Binary Tree from its Linked List Representation](http://www.geeksforgeeks.org/given-linked-list-representation-of-complete-tree-convert-it-to-linked-representation/)
16. [Implement LRU Cache](http://www.geeksforgeeks.org/implement-lru-cache/)
17. [Breadth First Traversal for a Graph](http://www.geeksforgeeks.org/breadth-first-traversal-for-a-graph/)

**Binary Tree:**

1. [Binary Tree Introduction](http://geeksquiz.com/binary-tree-set-1-introduction/)
2. [Handshaking Lemma and Interesting Tree Properties](http://www.geeksforgeeks.org/handshaking-lemma-and-interesting-tree-properties/)
3. [Binary Tree Properties](http://geeksquiz.com/binary-tree-set-2-properties/)
4. [Types of Binary Tree](http://geeksquiz.com/binary-tree-set-3-types-of-binary-tree/)
5. [Enumeration of Binary Tree](http://geeksquiz.com/enumeration-of-binary-trees/)
6. [Applications of tree data structure](http://www.geeksforgeeks.org/applications-of-tree-data-structure/)
7. [Tree Traversals](http://www.geeksforgeeks.org/618/)
8. [BFS vs DFS for Binary Tree](http://www.geeksforgeeks.org/bfs-vs-dfs-binary-tree/)
9. [Level Order Tree Traversal](http://www.geeksforgeeks.org/level-order-tree-traversal/)
10. [Print level order traversal line by line](http://geeksquiz.com/print-level-order-traversal-line-line/)
11. [Inorder Tree Traversal without Recursion](http://www.geeksforgeeks.org/inorder-tree-traversal-without-recursion/)
12. [Inorder Tree Traversal without recursion and without stack!](http://www.geeksforgeeks.org/inorder-tree-traversal-without-recursion-and-without-stack/)
13. [Threaded Binary Tree](http://geeksquiz.com/threaded-binary-tree/)
14. [Size of a tree](http://www.geeksforgeeks.org/write-a-c-program-to-calculate-size-of-a-tree/)
15. [Determine if Two Trees are Identical](http://www.geeksforgeeks.org/write-c-code-to-determine-if-two-trees-are-identical/)
16. [Maximum Depth or Height of a Tree](http://www.geeksforgeeks.org/write-a-c-program-to-find-the-maximum-depth-or-height-of-a-tree/)
17. [Write a C program to Delete a Tree.](http://www.geeksforgeeks.org/write-a-c-program-to-delete-a-tree/)
18. [Write an Efficient C Function to Convert a Binary Tree into its Mirror Tree](http://www.geeksforgeeks.org/write-an-efficient-c-function-to-convert-a-tree-into-its-mirror-tree/)
19. [If you are given two traversal sequences, can you construct the binary tree?](http://www.geeksforgeeks.org/if-you-are-given-two-traversal-sequences-can-you-construct-the-binary-tree/)
20. [Given a binary tree, print out all of its root-to-leaf paths one per line.](http://www.geeksforgeeks.org/given-a-binary-tree-print-out-all-of-its-root-to-leaf-paths-one-per-line/)
21. [The Great Tree-List Recursion Problem.](http://www.geeksforgeeks.org/the-great-tree-list-recursion-problem/)
22. [Count leaf nodes in a binary tree](http://www.geeksforgeeks.org/write-a-c-program-to-get-count-of-leaf-nodes-in-a-binary-tree/)
23. [Level order traversal in spiral form](http://www.geeksforgeeks.org/level-order-traversal-in-spiral-form/)
24. [Check for Children Sum Property in a Binary Tree.](http://www.geeksforgeeks.org/check-for-children-sum-property-in-a-binary-tree/)
25. [Convert an arbitrary Binary Tree to a tree that holds Children Sum Property](http://www.geeksforgeeks.org/convert-an-arbitrary-binary-tree-to-a-tree-that-holds-children-sum-property/)
26. [Diameter of a Binary Tree](http://www.geeksforgeeks.org/diameter-of-a-binary-tree/)
27. [How to determine if a binary tree is height-balanced?](http://www.geeksforgeeks.org/how-to-determine-if-a-binary-tree-is-balanced/)
28. [Root to leaf path sum equal to a given number](http://www.geeksforgeeks.org/root-to-leaf-path-sum-equal-to-a-given-number/)
29. [Construct Tree from given Inorder and Preorder traversals](http://www.geeksforgeeks.org/construct-tree-from-given-inorder-and-preorder-traversal/)
30. [Given a binary tree, print all root-to-leaf paths](http://www.geeksforgeeks.org/given-a-binary-tree-print-all-root-to-leaf-paths/)
31. [Double Tree](http://www.geeksforgeeks.org/double-tree/)
32. [Maximum width of a binary tree](http://www.geeksforgeeks.org/maximum-width-of-a-binary-tree/)
33. [Foldable Binary Trees](http://www.geeksforgeeks.org/foldable-binary-trees/)
34. [Print nodes at k distance from root](http://www.geeksforgeeks.org/print-nodes-at-k-distance-from-root/)
35. [Get Level of a node in a Binary Tree](http://www.geeksforgeeks.org/get-level-of-a-node-in-a-binary-tree/)
36. [Print Ancestors of a given node in Binary Tree](http://www.geeksforgeeks.org/print-ancestors-of-a-given-node-in-binary-tree/)
37. [Check if a given Binary Tree is SumTree](http://www.geeksforgeeks.org/check-if-a-given-binary-tree-is-sumtree/)
38. [Check if a binary tree is subtree of another binary tree](http://www.geeksforgeeks.org/check-if-a-binary-tree-is-subtree-of-another-binary-tree/)
39. [Connect nodes at same level](http://www.geeksforgeeks.org/connect-nodes-at-same-level/)
40. [Connect nodes at same level using constant extra space](http://www.geeksforgeeks.org/connect-nodes-at-same-level-with-o1-extra-space/)
41. [Populate Inorder Successor for all nodes](http://www.geeksforgeeks.org/populate-inorder-successor-for-all-nodes/)
42. [Convert a given tree to its Sum Tree](http://www.geeksforgeeks.org/convert-a-given-tree-to-sum-tree/)
43. [Vertical Sum in a given Binary Tree](http://www.geeksforgeeks.org/vertical-sum-in-a-given-binary-tree/)
44. [Find the maximum sum leaf to root path in a Binary Tree](http://www.geeksforgeeks.org/find-the-maximum-sum-path-in-a-binary-tree/)
45. [Construct Special Binary Tree from given Inorder traversal](http://www.geeksforgeeks.org/construct-binary-tree-from-inorder-traversal/)
46. [Construct a special tree from given preorder traversal](http://www.geeksforgeeks.org/construct-a-special-tree-from-given-preorder-traversal/)
47. [Check whether a given Binary Tree is Complete or not](http://www.geeksforgeeks.org/check-if-a-given-binary-tree-is-complete-tree-or-not/)
48. [Boundary Traversal of binary tree](http://www.geeksforgeeks.org/boundary-traversal-of-binary-tree/)
49. [Construct Full Binary Tree from given preorder and postorder traversals](http://www.geeksforgeeks.org/full-and-complete-binary-tree-from-given-preorder-and-postorder-traversals/)
50. [Iterative Preorder Traversal](http://www.geeksforgeeks.org/iterative-preorder-traversal/)
51. [Morris traversal for Preorder](http://www.geeksforgeeks.org/morris-traversal-for-preorder/)
52. [Linked complete binary tree & its creation](http://www.geeksforgeeks.org/linked-complete-binary-tree-its-creation/)
53. [Ternary Search Tree](http://www.geeksforgeeks.org/ternary-search-tree/)
54. [Largest Independent Set Problem](http://www.geeksforgeeks.org/largest-independent-set-problem/)
55. [Iterative Postorder Traversal | Set 1 (Using Two Stacks)](http://www.geeksforgeeks.org/iterative-postorder-traversal/)
56. [Iterative Postorder Traversal | Set 2 (Using One Stack)](http://www.geeksforgeeks.org/iterative-postorder-traversal-using-stack/)
57. [Reverse Level Order Traversal](http://www.geeksforgeeks.org/reverse-level-order-traversal/)
58. [Construct Complete Binary Tree from its Linked List Representation](http://www.geeksforgeeks.org/given-linked-list-representation-of-complete-tree-convert-it-to-linked-representation/)
59. [Convert a given Binary Tree to Doubly Linked List | Set 1](http://www.geeksforgeeks.org/in-place-convert-a-given-binary-tree-to-doubly-linked-list/)
60. [Tree Isomorphism Problem](http://www.geeksforgeeks.org/tree-isomorphism-problem/)
61. [Find all possible interpretations of an array of digits](http://www.geeksforgeeks.org/find-all-possible-interpretations/)
62. [Iterative Method to find Height of Binary Tree](http://www.geeksforgeeks.org/iterative-method-to-find-height-of-binary-tree/)
63. [Custom Tree Problem](http://www.geeksforgeeks.org/custom-tree-problem/)
64. [Convert a given Binary Tree to Doubly Linked List | Set 2](http://www.geeksforgeeks.org/convert-a-given-binary-tree-to-doubly-linked-list-set-2/)
65. [Print ancestors of a given binary tree node without recursion](http://www.geeksforgeeks.org/print-ancestors-of-a-given-binary-tree-node-without-recursion/)
66. [Difference between sums of odd level and even level nodes of a Binary Tree](http://www.geeksforgeeks.org/difference-between-sums-of-odd-and-even-levels/)
67. [Print Postorder traversal from given Inorder and Preorder traversals](http://www.geeksforgeeks.org/print-postorder-from-given-inorder-and-preorder-traversals/)
68. [Find depth of the deepest odd level leaf node](http://www.geeksforgeeks.org/find-depth-of-the-deepest-odd-level-node/)
69. [Check if all leaves are at same level](http://www.geeksforgeeks.org/check-leaves-level/)
70. [Print Left View of a Binary Tree](http://www.geeksforgeeks.org/print-left-view-binary-tree/)
71. [Remove all nodes which don’t lie in any path with sum>= k](http://www.geeksforgeeks.org/remove-all-nodes-which-lie-on-a-path-having-sum-less-than-k/)
72. [Extract Leaves of a Binary Tree in a Doubly Linked List](http://www.geeksforgeeks.org/connect-leaves-doubly-linked-list/)
73. [Deepest left leaf node in a binary tree](http://www.geeksforgeeks.org/deepest-left-leaf-node-in-a-binary-tree/)
74. [Find next right node of a given key](http://www.geeksforgeeks.org/find-next-right-node-of-a-given-key/)
75. [Sum of all the numbers that are formed from root to leaf paths](http://www.geeksforgeeks.org/sum-numbers-formed-root-leaf-paths/)
76. [Convert a given Binary Tree to Doubly Linked List | Set 3](http://www.geeksforgeeks.org/convert-given-binary-tree-doubly-linked-list-set-3/)
77. [Lowest Common Ancestor in a Binary Tree | Set 1](http://www.geeksforgeeks.org/lowest-common-ancestor-binary-tree-set-1/)
78. [Find distance between two given keys of a Binary Tree](http://www.geeksforgeeks.org/find-distance-two-given-nodes/)
79. [Print all nodes that are at distance k from a leaf node](http://www.geeksforgeeks.org/print-nodes-distance-k-leaf-node/)
80. [Check if a given Binary Tree is height balanced like a Red-Black Tree,](http://www.geeksforgeeks.org/check-given-binary-tree-follows-height-property-red-black-tree/)
81. [Print all nodes at distance k from a given node](http://www.geeksforgeeks.org/print-nodes-distance-k-given-node-binary-tree/)
82. [Print a Binary Tree in Vertical Order | Set 1](http://www.geeksforgeeks.org/print-binary-tree-vertical-order/)
83. [Construct a tree from Inorder and Level order traversals](http://www.geeksforgeeks.org/construct-tree-inorder-level-order-traversals/)
84. [Find the maximum path sum between two leaves of a binary tree](http://www.geeksforgeeks.org/find-maximum-path-sum-two-leaves-binary-tree/)
85. [Reverse alternate levels of a perfect binary tree](http://www.geeksforgeeks.org/reverse-alternate-levels-binary-tree/)
86. [Check if two nodes are cousins in a Binary Tree](http://www.geeksforgeeks.org/check-two-nodes-cousins-binary-tree/)
87. [Check if a binary tree is subtree of another binary tree | Set 2](http://www.geeksforgeeks.org/check-binary-tree-subtree-another-binary-tree-set-2/)
88. [Serialize and Deserialize a Binary Tree](http://www.geeksforgeeks.org/serialize-deserialize-binary-tree/)
89. [Print nodes between two given level numbers of a binary tree](http://www.geeksforgeeks.org/given-binary-tree-print-nodes-two-given-level-numbers/)
90. [closest leaf in a Binary Tree](http://www.geeksforgeeks.org/find-closest-leaf-binary-tree/)
91. [Convert a Binary Tree to Threaded binary tree](http://www.geeksforgeeks.org/convert-binary-tree-threaded-binary-tree/)
92. [Print Nodes in Top View of Binary Tree](http://www.geeksforgeeks.org/print-nodes-top-view-binary-tree/)
93. [Bottom View of a Binary Tree](http://www.geeksforgeeks.org/bottom-view-binary-tree/)
94. [Perfect Binary Tree Specific Level Order Traversal](http://www.geeksforgeeks.org/perfect-binary-tree-specific-level-order-traversal/)
95. [Convert left-right representation of a bianry tree to down-right](http://geeksquiz.com/convert-left-right-representation-bianry-tree-right/)
96. [Minimum no. of iterations to pass information to all nodes in the tree](http://www.geeksforgeeks.org/minimum-iterations-pass-information-nodes-tree/)
97. [Clone a Binary Tree with Random Pointers](http://www.geeksforgeeks.org/clone-binary-tree-random-pointers/)
98. [Given a binary tree, how do you remove all the half nodes?](http://www.geeksforgeeks.org/given-a-binary-tree-how-do-you-remove-all-the-half-nodes/)
99. [Vertex Cover Problem | Set 2 (Dynamic Programming Solution for Tree)](http://www.geeksforgeeks.org/vertex-cover-problem-set-2-dynamic-programming-solution-tree/)
100. [Check whether a binary tree is a full binary tree or not](http://www.geeksforgeeks.org/check-whether-binary-tree-full-binary-tree-not/)
101. [Find sum of all left leaves in a given Binary Tree](http://www.geeksforgeeks.org/find-sum-left-leaves-given-binary-tree/)
102. [Remove nodes on root to leaf paths of length < K](http://www.geeksforgeeks.org/remove-nodes-root-leaf-paths-length-k/)
103. [Find Count of Single Valued Subtrees](http://www.geeksforgeeks.org/find-count-of-singly-subtrees/)
104. [Check if a given array can represent Preorder Traversal of Binary Search Tree](http://www.geeksforgeeks.org/check-if-a-given-array-can-represent-preorder-traversal-of-binary-search-tree/)
105. [Mirror of n-ary Tree](http://www.geeksforgeeks.org/mirror-of-n-ary-tree/)
106. [Find multiplication of sums of data of leaves at sane levels](http://www.geeksforgeeks.org/find-multiplication-of-sums-of-data-of-all-leaves-at-sane-levels/)
107. [Succinct Encoding of Binary Tree](http://www.geeksforgeeks.org/succinct-encoding-of-binary-tree/)
108. [Construct Binary Tree from given Parent Array representation](http://www.geeksforgeeks.org/construct-a-binary-tree-from-parent-array-representation/)
109. [Symmetric Tree (Mirror Image of itself)](http://www.geeksforgeeks.org/symmetric-tree-tree-which-is-mirror-image-of-itself/)
110. [Find Minimum Depth of a Binary Tree](http://www.geeksforgeeks.org/find-minimum-depth-of-a-binary-tree/)
111. [Maximum Path Sum in a Binary Tree](http://www.geeksforgeeks.org/find-maximum-path-sum-in-a-binary-tree/)
112. [Expression Tree](http://www.geeksforgeeks.org/expression-tree/)
113. [Check whether a binary tree is a complete tree or not | Set 2 (Recursive Solution)](http://www.geeksforgeeks.org/check-whether-binary-tree-complete-not-set-2-recursive-solution/)
114. [Change a Binary Tree so that every node stores sum of all nodes in left subtree](http://geeksquiz.com/change-a-binary-tree-so-that-every-node-stores-sum-of-all-nodes-in-left-subtree/)
115. [Iterative Search for a key ‘x’ in Binary Tree](http://geeksquiz.com/iterative-search-for-a-key-x-in-binary-tree/)
116. [Find maximum (or minimum) in Binary Tree](http://geeksquiz.com/find-maximum-or-minimum-in-binary-tree/)

**Binary Search Tree:**

1. [Search and Insert in BST](http://geeksquiz.com/binary-search-tree-set-1-search-and-insertion/)
2. [Deletion from BST](http://geeksquiz.com/binary-search-tree-set-2-delete/)
3. [Data Structure for a single resource reservations](http://www.geeksforgeeks.org/data-structure-for-future-reservations-for-a-single-resource/)
4. [Advantages of BST over Hash Table](http://www.geeksforgeeks.org/advantages-of-bst-over-hash-table/)
5. [Minimum value in a Binary Search Tree](http://www.geeksforgeeks.org/find-the-minimum-element-in-a-binary-search-tree/)
6. [Inorder predecessor and successor for a given key in BST](http://www.geeksforgeeks.org/inorder-predecessor-successor-given-key-bst/)
7. [Check if a binary tree is BST or not](http://www.geeksforgeeks.org/a-program-to-check-if-a-binary-tree-is-bst-or-not/)
8. [Lowest Common Ancestor in a Binary Search Tree.](http://www.geeksforgeeks.org/lowest-common-ancestor-in-a-binary-search-tree/)
9. [Sorted order printing of a given array that represents a BST](http://www.geeksforgeeks.org/sorted-order-printing-of-an-array-that-represents-a-bst/)
10. [Inorder Successor in Binary Search Tree](http://www.geeksforgeeks.org/inorder-successor-in-binary-search-tree/)
11. [Find k-th smallest element in BST (Order Statistics in BST)](http://www.geeksforgeeks.org/find-k-th-smallest-element-in-bst-order-statistics-in-bst/)
12. [K’th smallest element in BST using O(1) Extra Space](http://www.geeksforgeeks.org/kth-largest-element-in-bst-using-o1-extra-space/)
13. [Print BST keys in the given range](http://www.geeksforgeeks.org/print-bst-keys-in-the-given-range/)
14. [Sorted Array to Balanced BST](http://www.geeksforgeeks.org/sorted-array-to-balanced-bst/)
15. [Find the largest BST subtree in a given Binary Tree](http://www.geeksforgeeks.org/find-the-largest-subtree-in-a-tree-that-is-also-a-bst/)
16. [Check for Identical BSTs without building the trees](http://www.geeksforgeeks.org/check-for-identical-bsts-without-building-the-trees/)
17. [Add all greater values to every node in a given BST](http://www.geeksforgeeks.org/add-greater-values-every-node-given-bst/)
18. [Remove BST keys outside the given range](http://www.geeksforgeeks.org/remove-bst-keys-outside-the-given-range/)
19. [Check if each internal node of a BST has exactly one child](http://www.geeksforgeeks.org/check-if-each-internal-node-of-a-bst-has-exactly-one-child/)
20. [Find if there is a triplet in a Balanced BST that adds to zero](http://www.geeksforgeeks.org/find-if-there-is-a-triplet-in-bst-that-adds-to-0/)
21. [Merge two BSTs with limited extra space](http://www.geeksforgeeks.org/merge-two-bsts-with-limited-extra-space/)
22. [Two nodes of a BST are swapped, correct the BST](http://www.geeksforgeeks.org/fix-two-swapped-nodes-of-bst/)
23. [Construct BST from given preorder traversal | Set 1](http://www.geeksforgeeks.org/construct-bst-from-given-preorder-traversa/)
24. [Construct BST from given preorder traversal | Set 2](http://www.geeksforgeeks.org/construct-bst-from-given-preorder-traversal-set-2/)
25. [Floor and Ceil from a BST](http://www.geeksforgeeks.org/floor-and-ceil-from-a-bst/)
26. [Convert a BST to a Binary Tree such that sum of all greater keys is added to every key](http://www.geeksforgeeks.org/convert-bst-to-a-binary-tree/)
27. [Sorted Linked List to Balanced BST](http://www.geeksforgeeks.org/sorted-linked-list-to-balanced-bst/)
28. [In-place conversion of Sorted DLL to Balanced BST](http://www.geeksforgeeks.org/in-place-conversion-of-sorted-dll-to-balanced-bst/)
29. [Find a pair with given sum in a Balanced BST](http://www.geeksforgeeks.org/find-a-pair-with-given-sum-in-bst/)
30. [Total number of possible Binary Search Trees with n keys](http://www.geeksforgeeks.org/g-fact-18/)
31. [Merge Two Balanced Binary Search Trees](http://www.geeksforgeeks.org/merge-two-balanced-binary-search-trees/)
32. [Binary Tree to Binary Search Tree Conversion](http://www.geeksforgeeks.org/binary-tree-to-binary-search-tree-conversion/)
33. [Transform a BST to greater sum tree](http://www.geeksforgeeks.org/transform-bst-sum-tree/)
34. [Inorder predecessor and successor for a given key in BST](http://www.geeksforgeeks.org/inorder-predecessor-successor-given-key-bst/)
35. [K’th Largest Element in BST when modification to BST is not allowed](http://www.geeksforgeeks.org/kth-largest-element-in-bst-when-modification-to-bst-is-not-allowed/)
36. [How to handle duplicates in Binary Search Tree?](http://www.geeksforgeeks.org/how-to-handle-duplicates-in-binary-search-tree/)
37. [Print Common Nodes in Two Binary Search Trees](http://www.geeksforgeeks.org/print-common-nodes-in-two-binary-search-trees/)
38. [Construct all possible BSTs for keys 1 to N](http://www.geeksforgeeks.org/construct-all-possible-bsts-for-keys-1-to-n/)
39. [Print Common Nodes in Two Binary Search Trees](http://www.geeksforgeeks.org/print-common-nodes-in-two-binary-search-trees/)
40. [Count BST subtrees that lie in given range](http://www.geeksforgeeks.org/count-bst-subtrees-that-lie-in-given-range/)
41. [Count BST nodes that lie in a given range](http://www.geeksforgeeks.org/count-bst-nodes-that-are-in-a-given-range/)
42. [How to implement decrease key or change key in Binary Search Tree](http://geeksquiz.com/how-to-implement-decrease-key-or-change-key-in-binary-search-tree/)
43. [Second largest element in BST](http://geeksquiz.com/second-largest-element-in-binary-search-tree-bst/)
44. [Count inversions in an array | Set 2 (Using Self-Balancing BST)](http://www.geeksforgeeks.org/count-inversions-in-an-array-set-2-using-self-balancing-bst/)

**Heap:**

1. [Binary Heap](http://geeksquiz.com/binary-heap/)
2. [Time Complexity of building a heap](http://www.geeksforgeeks.org/g-fact-85/)
3. [Applications of Heap Data Structure](http://www.geeksforgeeks.org/applications-of-heap-data-structure/)
4. [Why is Binary Heap Preferred over BST for Priority Queue?](http://www.geeksforgeeks.org/why-is-binary-heap-preferred-over-bst-for-priority-queue/)
5. [Binomial Heap](http://www.geeksforgeeks.org/binomial-heap-2/)
6. [Fibonacci Heap](http://www.geeksforgeeks.org/fibonacci-heap-set-1-introduction/)
7. [Heap Sort](http://geeksquiz.com/heap-sort/)
8. [K’th Largest Element in an array](http://www.geeksforgeeks.org/k-largestor-smallest-elements-in-an-array/)
9. [Sort an almost sorted array/](http://www.geeksforgeeks.org/nearly-sorted-algorithm/)
10. [Tournament Tree (Winner Tree) and Binary Heap](http://www.geeksforgeeks.org/tournament-tree-and-binary-heap/)
11. [Check if a given Binary Tree is Heap](http://www.geeksforgeeks.org/check-if-a-given-binary-tree-is-heap/)
12. [How to check if a given array represents a Binary Heap?](http://www.geeksforgeeks.org/how-to-check-if-a-given-array-represents-a-binary-heap/)
13. [Print all elements in sorted order from row and column wise sorted matrix](http://www.geeksforgeeks.org/print-elements-sorted-order-row-column-wise-sorted-matrix/)
14. [Connect n ropes with minimum cost](http://www.geeksforgeeks.org/connect-n-ropes-minimum-cost/)
15. [Design an efficient data structure for given operations](http://www.geeksforgeeks.org/a-data-structure-question/)
16. [Merge k sorted arrays | Set 1](http://www.geeksforgeeks.org/merge-k-sorted-arrays/)
17. [Sort numbers stored on different machines](http://www.geeksforgeeks.org/sort-numbers-stored-on-different-machines/)

**Hashing**

1. [Hashing Introduction](http://geeksquiz.com/hashing-set-1-introduction/)
2. [Separate Chaining for Collision Handling](http://geeksquiz.com/hashing-set-2-separate-chaining/)
3. [Open Addressing for Collision Handling](http://geeksquiz.com/hashing-set-3-open-addressing/)
4. [Print a Binary Tree in Vertical Order](http://www.geeksforgeeks.org/print-binary-tree-vertical-order-set-2/)
5. [Find whether an array is subset of another array](http://www.geeksforgeeks.org/find-whether-an-array-is-subset-of-another-array-set-1/)
6. [Union and Intersection of two Linked Lists](http://www.geeksforgeeks.org/union-and-intersection-of-two-linked-lists/)
7. [Find a pair with given sum](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/)
8. [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/)
9. [Find Itinerary from a given list of tickets](http://www.geeksforgeeks.org/find-itinerary-from-a-given-list-of-tickets/)
10. [Find number of Employees Under every Employee](http://www.geeksforgeeks.org/find-number-of-employees-under-every-manager/)
11. [Check if an array can be divided into pairs whose sum is divisible by k](http://www.geeksforgeeks.org/check-if-an-array-can-be-divided-into-pairs-whose-sum-is-divisible-by-k/)
12. [Find four elements a, b, c and d in an array such that a+b = c+d](http://www.geeksforgeeks.org/find-four-elements-a-b-c-and-d-in-an-array-such-that-ab-cd/)
13. [Given an array of pairs, find all symmetric pairs in it](http://www.geeksforgeeks.org/given-an-array-of-pairs-find-all-symmetric-pairs-in-it/)
14. [Find the largest subarray with 0 sum](http://www.geeksforgeeks.org/find-the-largest-subarray-with-0-sum/)
15. [Longest Consecutive Subsequence](http://www.geeksforgeeks.org/longest-consecutive-subsequence/)
16. [Count distinct elements in every window of size k](http://www.geeksforgeeks.org/count-distinct-elements-in-every-window-of-size-k/)
17. [Design a data structure that supports insert, delete, search and getRandom in constant time](http://www.geeksforgeeks.org/design-a-data-structure-that-supports-insert-delete-search-and-getrandom-in-constant-time/)
18. [Advantages of BST over Hash Table](http://www.geeksforgeeks.org/advantages-of-bst-over-hash-table/)
19. [Group multiple occurrence of array elements ordered by first occurrence](http://www.geeksforgeeks.org/group-multiple-occurrence-of-array-elements-ordered-by-first-occurrence/)
20. [How to check if two given sets are disjoint?](http://www.geeksforgeeks.org/check-two-given-sets-disjoint/)
21. [Length of the largest subarray with contiguous elements | Set 2](http://www.geeksforgeeks.org/length-largest-subarray-contiguous-elements-set-2/)
22. [Clone a Binary Tree with Random Pointers](http://www.geeksforgeeks.org/clone-binary-tree-random-pointers/)
23. [Find if there is a subarray with 0 sum](http://www.geeksforgeeks.org/find-if-there-is-a-subarray-with-0-sum/)
24. [Largest subarray with equal number of 0s and 1s](http://www.geeksforgeeks.org/largest-subarray-with-equal-number-of-0s-and-1s/)
25. [Find whether an array is subset of another array](http://www.geeksforgeeks.org/find-whether-an-array-is-subset-of-another-array-set-1/)
26. [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/)

**Graph:**

***Introduction, DFS and BFS:***

1. [Graph and its representations](http://www.geeksforgeeks.org/graph-and-its-representations/)
2. [Breadth First Traversal for a Graph](http://www.geeksforgeeks.org/breadth-first-traversal-for-a-graph/)
3. [Depth First Traversal for a Graph](http://www.geeksforgeeks.org/depth-first-traversal-for-a-graph/)
4. [Applications of Depth First Search](http://www.geeksforgeeks.org/applications-of-depth-first-search/)
5. [Applications of Breadth First Traversal](http://www.geeksforgeeks.org/applications-of-breadth-first-traversal/)
6. [Detect Cycle in a Directed Graph](http://www.geeksforgeeks.org/detect-cycle-in-a-graph/)
7. [Detect Cycle in a an Undirected Graph](http://www.geeksforgeeks.org/union-find/)
8. [Detect cycle in an undirected graph](http://www.geeksforgeeks.org/detect-cycle-undirected-graph/)
9. [Longest Path in a Directed Acyclic Graph](http://www.geeksforgeeks.org/find-longest-path-directed-acyclic-graph/)
10. [Topological Sorting](http://www.geeksforgeeks.org/topological-sorting/)
11. [Check whether a given graph is Bipartite or not](http://www.geeksforgeeks.org/bipartite-graph/)
12. [Snake and Ladder Problem](http://www.geeksforgeeks.org/snake-ladder-problem-2/)
13. [Minimize Cash Flow among a given set of friends who have borrowed money from each other](http://www.geeksforgeeks.org/minimize-cash-flow-among-given-set-friends-borrowed-money/)
14. [Boggle (Find all possible words in a board of characters)](http://www.geeksforgeeks.org/boggle-find-possible-words-board-characters/)
15. [Assign directions to edges so that the directed graph remains acyclic](http://www.geeksforgeeks.org/assign-directions-to-edges-so-that-the-directed-graph-remains-acyclic/)

***Minimum Spanning Tree:***

1. [Prim’s Minimum Spanning Tree (MST))](http://www.geeksforgeeks.org/greedy-algorithms-set-5-prims-minimum-spanning-tree-mst-2/)
2. [Applications of Minimum Spanning Tree Problem](http://www.geeksforgeeks.org/applications-of-minimum-spanning-tree/)
3. [Prim’s MST for Adjacency List Representation](http://www.geeksforgeeks.org/greedy-algorithms-set-5-prims-mst-for-adjacency-list-representation/)
4. [Kruskal’s Minimum Spanning Tree Algorithm](http://www.geeksforgeeks.org/greedy-algorithms-set-2-kruskals-minimum-spanning-tree-mst/)
5. [Boruvka’s algorithm for Minimum Spanning Tree](http://www.geeksforgeeks.org/greedy-algorithms-set-9-boruvkas-algorithm/)

***Shortest Paths:***

1. [Dijkstra’s shortest path algorithm](http://www.geeksforgeeks.org/greedy-algorithms-set-6-dijkstras-shortest-path-algorithm/)
2. [Dijkstra’s Algorithm for Adjacency List Representation](http://www.geeksforgeeks.org/greedy-algorithms-set-7-dijkstras-algorithm-for-adjacency-list-representation/)
3. [Bellman–Ford Algorithm](http://www.geeksforgeeks.org/dynamic-programming-set-23-bellman-ford-algorithm/)
4. [Floyd Warshall Algorithm](http://www.geeksforgeeks.org/dynamic-programming-set-16-floyd-warshall-algorithm/)
5. [Johnson’s algorithm for All-pairs shortest paths](http://www.geeksforgeeks.org/johnsons-algorithm/)
6. [Shortest Path in Directed Acyclic Graph](http://www.geeksforgeeks.org/shortest-path-for-directed-acyclic-graphs/)
7. [Some interesting shortest path questions,](http://www.geeksforgeeks.org/interesting-shortest-path-questions-set-1/)
8. [Shortest path with exactly k edges in a directed and weighted graph](http://www.geeksforgeeks.org/shortest-path-exactly-k-edges-directed-weighted-graph/)

***Connectivity:***

1. [Find if there is a path between two vertices in a directed graph](http://www.geeksforgeeks.org/find-if-there-is-a-path-between-two-vertices-in-a-given-graph/)
2. [Connectivity in a directed graph](http://www.geeksforgeeks.org/connectivity-in-a-directed-graph/)
3. [Articulation Points (or Cut Vertices) in a Graph](http://www.geeksforgeeks.org/articulation-points-or-cut-vertices-in-a-graph/)
4. [Biconnected graph](http://www.geeksforgeeks.org/biconnectivity-in-a-graph/)
5. [Bridges in a graph](http://www.geeksforgeeks.org/bridge-in-a-graph/)
6. [Eulerian path and circuit](http://www.geeksforgeeks.org/eulerian-path-and-circuit/)
7. [Fleury’s Algorithm for printing Eulerian Path or Circuit](http://www.geeksforgeeks.org/fleurys-algorithm-for-printing-eulerian-path/)
8. [Strongly Connected Components](http://www.geeksforgeeks.org/strongly-connected-components/)
9. [Transitive closure of a graph](http://www.geeksforgeeks.org/transitive-closure-of-a-graph/)
10. [Find the number of islands](http://www.geeksforgeeks.org/find-number-of-islands/)
11. [Count all possible walks from a source to a destination with exactly k edges](http://www.geeksforgeeks.org/count-possible-paths-source-destination-exactly-k-edges/)
12. [Euler Circuit in a Directed Graph](http://www.geeksforgeeks.org/euler-circuit-directed-graph/)
13. [Biconnected Components](http://www.geeksforgeeks.org/biconnected-components/)
14. [Check if a given graph is tree or not](http://geeksquiz.com/check-given-graph-tree/)
15. [Karger’s algorithm for Minimum Cut](http://www.geeksforgeeks.org/kargers-algorithm-for-minimum-cut-set-1-introduction-and-implementation/)

***Hard Problems:***

1. [Graph Coloring (Introduction and Applications)](http://www.geeksforgeeks.org/graph-coloring-applications/)
2. [Greedy Algorithm for Graph Coloring](http://www.geeksforgeeks.org/graph-coloring-set-2-greedy-algorithm/)
3. [Travelling Salesman Problem (Naive and Dynamic Programming)](http://www.geeksforgeeks.org/travelling-salesman-problem-set-1/)
4. [Travelling Salesman Problem (Approximate using MST)](http://www.geeksforgeeks.org/travelling-salesman-problem-set-2-approximate-using-mst/)
5. [Hamiltonian Cycle](http://www.geeksforgeeks.org/backtracking-set-7-hamiltonian-cycle/)
6. [Vertex Cover Problem | Set 1 (Introduction and Approximate Algorithm)](http://www.geeksforgeeks.org/vertex-cover-problem-set-1-introduction-approximate-algorithm-2/)
7. [K Centers Problem | Set 1 (Greedy Approximate Algorithm)](http://www.geeksforgeeks.org/k-centers-problem-set-1-greedy-approximate-algorithm/)

***Maximum Flow:***

1. [Ford-Fulkerson Algorithm for Maximum Flow Problem](http://www.geeksforgeeks.org/ford-fulkerson-algorithm-for-maximum-flow-problem/)
2. [Find maximum number of edge disjoint paths between two vertices](http://www.geeksforgeeks.org/find-edge-disjoint-paths-two-vertices/)
3. [Find minimum s-t cut in a flow network](http://www.geeksforgeeks.org/minimum-cut-in-a-directed-graph/)
4. [Maximum Bipartite Matching](http://www.geeksforgeeks.org/maximum-bipartite-matching/)
5. [Channel Assignment Problem](http://www.geeksforgeeks.org/channel-assignment-problem/)

**Advanced Data Structure:**

***Advanced Lists:***

* [Memory efficient doubly linked list](http://www.geeksforgeeks.org/memory-efficient-doubly-linked-list/)
* [XOR Linked List – A Memory Efficient Doubly Linked List | Set 1](http://www.geeksforgeeks.org/xor-linked-list-a-memory-efficient-doubly-linked-list-set-1/)
* [XOR Linked List – A Memory Efficient Doubly Linked List | Set 2](http://www.geeksforgeeks.org/xor-linked-list-a-memory-efficient-doubly-linked-list-set-2/)
* [Skip List | Set 1 (Introduction)](http://www.geeksforgeeks.org/skip-list/)
* [Self Organizing List | Set 1 (Introduction)](http://www.geeksforgeeks.org/self-organizing-list-set-1-introduction/)

***Trie:***

* [Trie | (Insert and Search)](http://www.geeksforgeeks.org/trie-insert-and-search/)
* [Trie | (Delete)](http://www.geeksforgeeks.org/trie-delete/)
* [Longest prefix matching – A Trie based solution in Java](http://www.geeksforgeeks.org/longest-prefix-matching-a-trie-based-solution-in-java/)
* [Print unique rows in a given boolean matrix](http://www.geeksforgeeks.org/print-unique-rows/)
* [How to Implement Reverse DNS Look Up Cache?](http://www.geeksforgeeks.org/implement-reverse-dns-look-cache/)
* [How to Implement Forward DNS Look Up Cache?](http://www.geeksforgeeks.org/implement-forward-dns-look-cache/)

***Suffix Array and Suffix Tree***:

* [Suffix Array Introduction](http://www.geeksforgeeks.org/suffix-array-set-1-introduction/)
* [Suffix Array nLogn Algorithm](http://www.geeksforgeeks.org/suffix-array-set-2-a-nlognlogn-algorithm/)
* [Suffix Tree Introduction](http://www.geeksforgeeks.org/pattern-searching-set-8-suffix-tree-introduction/)
* [Ukkonen’s Suffix Tree Construction – Part 1](http://www.geeksforgeeks.org/ukkonens-suffix-tree-construction-part-1/)
* [Ukkonen’s Suffix Tree Construction – Part 2](http://www.geeksforgeeks.org/ukkonens-suffix-tree-construction-part-2/)
* [Ukkonen’s Suffix Tree Construction – Part 3](http://www.geeksforgeeks.org/ukkonens-suffix-tree-construction-part-3/)
* [Ukkonen’s Suffix Tree Construction – Part 4,](http://www.geeksforgeeks.org/ukkonens-suffix-tree-construction-part-4/)
* [Ukkonen’s Suffix Tree Construction – Part 5](http://www.geeksforgeeks.org/ukkonens-suffix-tree-construction-part-5/)
* [Ukkonen’s Suffix Tree Construction – Part 6](http://www.geeksforgeeks.org/ukkonens-suffix-tree-construction-part-6/)
* [Generalized Suffix Tree](http://www.geeksforgeeks.org/generalized-suffix-tree-1/)
* [Build Linear Time Suffix Array using Suffix Tree](http://www.geeksforgeeks.org/suffix-tree-application-4-build-linear-time-suffix-array/)
* [Substring Check](http://www.geeksforgeeks.org/suffix-tree-application-1-substring-check/)
* [Searching All Patterns](http://www.geeksforgeeks.org/suffix-tree-application-2-searching-all-patterns/)
* [Longest Repeated Substring,](http://www.geeksforgeeks.org/suffix-tree-application-3-longest-repeated-substring/)
* [Longest Common Substring, Longest Palindromic Substring](http://www.geeksforgeeks.org/suffix-tree-application-6-longest-palindromic-substring/)

**AVL Tree:**

* [AVL Tree | Set 1 (Insertion)](http://www.geeksforgeeks.org/avl-tree-set-1-insertion/)
* [AVL Tree | Set 2 (Deletion)](http://www.geeksforgeeks.org/avl-tree-set-2-deletion/)
* [AVL with duplicate keys](http://geeksquiz.com/avl-with-duplicate-keys/)

***Splay Tree:***

* [Splay Tree | Set 1 (Search)](http://www.geeksforgeeks.org/splay-tree-set-1-insert/)
* [Splay Tree | Set 2 (Insert)](http://www.geeksforgeeks.org/splay-tree-set-2-insert-delete/)

***B Tree:***

* [B-Tree | Set 1 (Introduction)](http://www.geeksforgeeks.org/b-tree-set-1-introduction-2/)
* [B-Tree | Set 2 (Insert)](http://www.geeksforgeeks.org/b-tree-set-1-insert-2/)
* [B-Tree | Set 3 (Delete)](http://www.geeksforgeeks.org/b-tree-set-3delete/)

***Segment Tree:***

* [Segment Tree | Set 1 (Sum of given range)](http://www.geeksforgeeks.org/segment-tree-set-1-sum-of-given-range/)
* [Segment Tree | Set 2 (Range Minimum Query)](http://www.geeksforgeeks.org/segment-tree-set-1-range-minimum-query/)
* [Lazy Propagation in Segment Tree](http://www.geeksforgeeks.org/lazy-propagation-in-segment-tree/)

***Red-Black Tree:***

* [Red-Black Tree Introduction](http://www.geeksforgeeks.org/red-black-tree-set-1-introduction-2/)
* [Red Black Tree Insertion.](http://www.geeksforgeeks.org/red-black-tree-set-2-insert/)
* [Red-Black Tree Deletion](http://www.geeksforgeeks.org/red-black-tree-set-3-delete-2/)
* [Program for Red Black Tree Insertion](http://geeksquiz.com/c-program-red-black-tree-insertion/)

***K Dimensional Tree:***

* [KD Tree (Search and Insert)](http://www.geeksforgeeks.org/k-dimensional-tree/)
* [K D Tree (Find Minimum)](http://www.geeksforgeeks.org/k-dimensional-tree-set-2-find-minimum/)
* [K D Tree (Delete)](http://www.geeksforgeeks.org/k-dimensional-tree-set-3-delete/)

***Others:***

1. [Treap (A Randomized Binary Search Tree)](http://www.geeksforgeeks.org/treap-a-randomized-binary-search-tree/)
2. [Ternary Search Tree](http://www.geeksforgeeks.org/ternary-search-tree/)
3. [Interval Tree](http://www.geeksforgeeks.org/interval-tree/)
4. [Implement LRU Cache](http://www.geeksforgeeks.org/implement-lru-cache/)
5. [Sort numbers stored on different machines](http://www.geeksforgeeks.org/sort-numbers-stored-on-different-machines/)
6. [Find the k most frequent words from a file](http://www.geeksforgeeks.org/find-the-k-most-frequent-words-from-a-file/)
7. [Given a sequence of words, print all anagrams together](http://www.geeksforgeeks.org/given-a-sequence-of-words-print-all-anagrams-together-set-2/)
8. [Tournament Tree (Winner Tree) and Binary Heap](http://www.geeksforgeeks.org/tournament-tree-and-binary-heap/)
9. [Decision Trees – Fake (Counterfeit) Coin Puzzle (12 Coin Puzzle)](http://www.geeksforgeeks.org/decision-trees-fake-coin-puzzle/)
10. [Spaghetti Stack](http://www.geeksforgeeks.org/g-fact-87/)
11. [Data Structure for Dictionary and Spell Checker?](http://www.geeksforgeeks.org/data-structure-dictionary-spell-checker/)
12. [Binary Indexed Tree](http://www.geeksforgeeks.org/binary-indexed-tree-or-fenwick-tree-2/)

**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. [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/)
108. [Sort an array in wave form](http://www.geeksforgeeks.org/sort-array-wave-form-2/)
109. [K’th Smallest/Largest Element in Unsorted Array](http://www.geeksforgeeks.org/kth-smallestlargest-element-unsorted-array/)
110. [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/)
111. [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/)
112. [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/)
113. [Find the closest pair from two sorted arrays](http://www.geeksforgeeks.org/given-two-sorted-arrays-number-x-find-pair-whose-sum-closest-x/)
114. [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/)
115. [Count 1’s in a sorted binary array](http://geeksquiz.com/count-1s-sorted-binary-array/)
116. [Print All Distinct Elements of a given integer array](http://geeksquiz.com/print-distinct-elements-given-integer-array/)
117. [Construct an array from its pair-sum array](http://geeksquiz.com/construct-array-pair-sum-array/)
118. [Find common elements in three sorted arrays](http://www.geeksforgeeks.org/find-common-elements-three-sorted-arrays/)
119. [Find the first repeating element in an array of integers](http://www.geeksforgeeks.org/find-first-repeating-element-array-integers/)
120. [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/)
121. [Rearrange an array such that ‘arr[j]’ becomes ‘i’ if ‘arr[i]’ is ‘j’](http://www.geeksforgeeks.org/rearrange-array-arrj-becomes-arri-j/)
122. [Find position of an element in a sorted array of infinite numbers](http://www.geeksforgeeks.org/find-position-element-sorted-array-infinite-numbers/)
123. [Can QuickSort be implemented in O(nLogn) worst case time complexity?](http://www.geeksforgeeks.org/can-quicksort-implemented-onlogn-worst-case-time-complexity/)
124. [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/)
125. [Find the element that appears once](http://geeksquiz.com/find-the-element-that-appears-once/)
126. [Replace every array element by multiplication of previous and next](http://geeksquiz.com/replace-every-array-element-by-multiplication-of-previous-and-next/)
127. [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/)
128. [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/)
129. [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/)
130. [Find the largest pair sum in an unsorted array](http://www.geeksforgeeks.org/find-the-largest-pair-sum-in-an-unsorted-array/)
131. [Online algorithm for checking palindrome in a stream](http://www.geeksforgeeks.org/online-algorithm-for-checking-palindrome-in-a-stream/)
132. [Find Union and Intersection of two unsorted arrays](http://www.geeksforgeeks.org/find-union-and-intersection-of-two-unsorted-arrays/)
133. [Pythagorean Triplet in an array](http://www.geeksforgeeks.org/find-pythagorean-triplet-in-an-unsorted-array/)
134. [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/)

**Matrix:**

1. [Search in a row wise and column wise sorted matrix](http://www.geeksforgeeks.org/search-in-row-wise-and-column-wise-sorted-matrix/)
2. [Print a given matrix in spiral form](http://www.geeksforgeeks.org/print-a-given-matrix-in-spiral-form/)
3. [A Boolean Matrix Question](http://www.geeksforgeeks.org/a-boolean-matrix-question/)
4. [Print unique rows in a given boolean matrix](http://www.geeksforgeeks.org/print-unique-rows/)
5. [Maximum size square sub-matrix with all 1s](http://www.geeksforgeeks.org/maximum-size-sub-matrix-with-all-1s-in-a-binary-matrix/)
6. [Print unique rows in a given boolean matrix](http://www.geeksforgeeks.org/print-unique-rows/)
7. [Inplace M x N size matrix transpose | Updated](http://www.geeksforgeeks.org/inplace-m-x-n-size-matrix-transpose/)
8. [Print Matrix Diagonally](http://www.geeksforgeeks.org/print-matrix-diagonally/)
9. [Dynamic Programming | Set 27 (Maximum sum rectangle in a 2D matrix)](http://www.geeksforgeeks.org/dynamic-programming-set-27-max-sum-rectangle-in-a-2d-matrix/)
10. [Strassen’s Matrix Multiplication](http://www.geeksforgeeks.org/strassens-matrix-multiplication/)
11. [Create a matrix with alternating rectangles of O and X](http://www.geeksforgeeks.org/create-a-matrix-with-alternating-rectangles-of-0-and-x/)
12. [Find the row with maximum number of 1s](http://www.geeksforgeeks.org/find-the-row-with-maximum-number-1s/)
13. [Print all elements in sorted order from row and column wise sorted matrix](http://www.geeksforgeeks.org/print-elements-sorted-order-row-column-wise-sorted-matrix/)
14. [Given an n x n square matrix, find sum of all sub-squares of size k x k](http://www.geeksforgeeks.org/given-n-x-n-square-matrix-find-sum-sub-squares-size-k-x-k/)
15. [Count number of islands where every island is row-wise and column-wise separated](http://www.geeksforgeeks.org/count-number-islands-every-island-separated-line/)
16. [Find a common element in all rows of a given row-wise sorted matrix](http://www.geeksforgeeks.org/find-common-element-rows-row-wise-sorted-matrix/)
17. [Given a matrix of ‘O’ and ‘X’, replace ‘O’ with ‘X’ if surrounded by ‘X’](http://www.geeksforgeeks.org/given-matrix-o-x-replace-o-x-surrounded-x/)
18. [Find the longest path in a matrix with given constraints](http://www.geeksforgeeks.org/find-the-longest-path-in-a-matrix-with-given-constraints/)
19. [Given a Boolean Matrix, find k such that all elements in k’th row are 0 and k’th column are 1](http://www.geeksforgeeks.org/find-k-such-that-all-elements-in-kth-row-are-0-and-kth-column-are-1-in-a-boolean-matrix/).
20. [Find the largest rectangle of 1’s with swapping of columns allowed](http://www.geeksforgeeks.org/find-the-largest-rectangle-of-1s-with-swapping-of-columns-allowed/)
21. [Validity of a given Tic-Tac-Toe board configuration](http://www.geeksforgeeks.org/validity-of-a-given-tic-tac-toe-board-configuration/)
22. [Minimum Initial Points to Reach Destinatio](http://www.geeksforgeeks.org/minimum-positive-points-to-reach-destination/)n
23. [Find length of the longest consecutive path from a given starting character](http://www.geeksforgeeks.org/find-length-of-the-longest-consecutive-path-in-a-character-matrix/)
24. [Collect maximum points in a grid using two traversals](http://www.geeksforgeeks.org/collect-maximum-points-in-a-grid-using-two-traversals/)
25. [Rotate Matrix Elements](http://www.geeksforgeeks.org/rotate-matrix-elements/)
26. [Find sum of all elements in a matrix except the elements in row and/or column of given cell?](http://www.geeksforgeeks.org/find-sum-of-all-elements-in-a-matrix-except-the-elements-in-given-row-andor-column-2/)
27. [Find a common element in all rows of a given row-wise sorted matrix](http://www.geeksforgeeks.org/find-common-element-rows-row-wise-sorted-matrix/)