# **ARRAYS**

1. [Find 2 elements 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/)
2. [Majority Element](http://www.geeksforgeeks.org/majority-element/)
3. [Find the number occuring odd number of times](http://www.geeksforgeeks.org/find-the-number-occurring-odd-number-of-times/)
4. [Merge an array of size n into another of size m + n](http://www.geeksforgeeks.org/merge-one-array-of-size-n-into-another-one-of-size-mn/)
5. [Rotate an array](http://www.geeksforgeeks.org/program-for-array-rotation-continued-reversal-algorithm/)
6. [Leaders in an array](http://www.geeksforgeeks.org/leaders-in-an-array/)
7. [Majority element in sorted array](http://www.geeksforgeeks.org/check-for-majority-element-in-a-sorted-array/)
8. [Segregate 0s and 1s in an array](http://www.geeksforgeeks.org/segregate-0s-and-1s-in-an-array-by-traversing-array-once/)
9. [Product array](http://www.geeksforgeeks.org/a-product-array-puzzle/)
10. [Find 2 repeating elements](http://www.geeksforgeeks.org/find-the-two-repeating-elements-in-a-given-array/)
11. [Find the smallest missing number](http://www.geeksforgeeks.org/find-the-first-missing-number/)
12. [Find max 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/)
13. [Find subarray with given sum](http://www.geeksforgeeks.org/find-subarray-with-given-sum/)
14. [Find the smallest positive number missing from an unsorted array](http://www.geeksforgeeks.org/find-the-smallest-positive-number-missing-from-an-unsorted-array/)
15. [Find 2 numbers with odd occurence](http://www.geeksforgeeks.org/find-the-two-numbers-with-odd-occurences-in-an-unsorted-array/)
16. [Largest subarray with equal number of 0s and 1s](http://www.geeksforgeeks.org/largest-subarray-with-equal-number-of-0s-and-1s/)
17. [Replace every element with the greatest on right side](http://www.geeksforgeeks.org/replace-every-element-with-the-greatest-on-right-side/)
18. [Stock buy sell to maximize profit](http://www.geeksforgeeks.org/stock-buy-sell/)
19. [Find common elements in 3 sorted arrays](http://www.geeksforgeeks.org/find-common-elements-three-sorted-arrays/)
20. [Nuts and bolts problem](http://www.geeksforgeeks.org/nuts-bolts-problem-lock-key-problem/)
21. [Trapping rain water](http://www.geeksforgeeks.org/trapping-rain-water/)
22. [Merge 2 sorted arrays in O(1) space](http://www.geeksforgeeks.org/merge-two-sorted-arrays-o1-extra-space/)

# **STRINGS**

1. [Remove duplicates from string](http://www.geeksforgeeks.org/remove-all-duplicates-from-the-input-string/)
2. [Remove characters from the first string which are present in the second string](http://www.geeksforgeeks.org/remove-characters-from-the-first-string-which-are-present-in-the-second-string/)
3. [Check if strings are rotations of each other](http://www.geeksforgeeks.org/a-program-to-check-if-strings-are-rotations-of-each-other-or-not/)
4. [Print all permutations of a given string](http://www.geeksforgeeks.org/write-a-c-program-to-print-all-permutations-of-a-given-string/)
5. [Reverse words in a given string](http://www.geeksforgeeks.org/reverse-words-in-a-given-string/)
6. [Find the smallest window in a string containing all the characters of the second string](http://www.geeksforgeeks.org/find-the-smallest-window-in-a-string-containing-all-characters-of-another-string/)
7. [Check whether two strings are anagrams of each other](http://www.geeksforgeeks.org/check-whether-two-strings-are-anagram-of-each-other/)
8. [Write your own atoi()](http://www.geeksforgeeks.org/write-your-own-atoi/)
9. [Rearrange a string so that similar characters become d distance away](http://www.geeksforgeeks.org/rearrange-a-string-so-that-all-same-characters-become-at-least-d-distance-away/)
10. [Find excel column name from a given column number](http://www.geeksforgeeks.org/find-excel-column-name-given-number/)

# **LINKED LIST**

1. [Get Nth node in a linked list](http://www.geeksforgeeks.org/write-a-function-to-get-nth-node-in-a-linked-list/)
2. [Delete a node given a pointer to 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/)
3. [Print middle](http://www.geeksforgeeks.org/write-a-c-function-to-print-the-middle-of-the-linked-list/)
4. [Find Nth node from the end](http://www.geeksforgeeks.org/nth-node-from-the-end-of-a-linked-list/)
5. [Delete linked list](http://www.geeksforgeeks.org/write-a-function-to-delete-a-linked-list/)
6. [Reverse linked list](http://www.geeksforgeeks.org/write-a-function-to-reverse-the-nodes-of-a-linked-list/)
7. [Detect loop in a linked list](http://www.geeksforgeeks.org/write-a-c-function-to-detect-loop-in-a-linked-list/) - McKinsey
8. [Check if a singly linked list is a palindrome](http://www.geeksforgeeks.org/function-to-check-if-a-singly-linked-list-is-palindrome/)
9. [Clone a linked list with next and random pointer](http://www.geeksforgeeks.org/a-linked-list-with-next-and-arbit-pointer/)
10. [Memory efficient doubly linked list](http://www.geeksforgeeks.org/memory-efficient-doubly-linked-list/)
11. [Insert in sorted linked list](http://www.geeksforgeeks.org/given-a-linked-list-which-is-sorted-how-will-you-insert-in-sorted-way/)
12. [Get intersection point of 2 linked lists](http://www.geeksforgeeks.org/write-a-function-to-get-the-intersection-point-of-two-linked-lists/)
13. [Print reverse of a linked list](http://www.geeksforgeeks.org/write-a-recursive-function-to-print-reverse-of-a-linked-list/)
14. [Remove duplicates from sorted linked list](http://www.geeksforgeeks.org/remove-duplicates-from-a-sorted-linked-list/)
15. [Remove duplicates from unsorted linked list](http://www.geeksforgeeks.org/remove-duplicates-from-an-unsorted-linked-list/)
16. [Reverse doubly linked list](http://www.geeksforgeeks.org/reverse-a-doubly-linked-list/)
17. [Merge 2 sorted linked lists](http://www.geeksforgeeks.org/merge-two-sorted-linked-lists/)
18. [Merge sort for linked lists](http://www.geeksforgeeks.org/merge-sort-for-linked-list/)
19. [Reverse a linked list in groups of given size](http://www.geeksforgeeks.org/reverse-a-list-in-groups-of-given-size/)
20. [Linked list vs Array](http://www.geeksforgeeks.org/linked-list-vs-array/)
21. [Sorted insert for circular linked list](http://www.geeksforgeeks.org/sorted-insert-for-circular-linked-list/)
22. [Detect and remove loop in a linked list](http://www.geeksforgeeks.org/detect-and-remove-loop-in-a-linked-list/)
23. [Add 2 numbers represented by linked lists](http://www.geeksforgeeks.org/add-two-numbers-represented-by-linked-lists/)
24. [Clone a linked list with next and random pointer | Set 2](http://www.geeksforgeeks.org/clone-linked-list-next-arbit-pointer-set-2/)

# **TREES**

1. [Recursive Tree Traversals](http://www.geeksforgeeks.org/618/)
2. [Calculate size of tree](http://www.geeksforgeeks.org/write-a-c-program-to-calculate-size-of-a-tree/)
3. [Check if two trees are identical](http://www.geeksforgeeks.org/write-c-code-to-determine-if-two-trees-are-identical/)
4. [Height of tree](http://www.geeksforgeeks.org/write-a-c-program-to-find-the-maximum-depth-or-height-of-a-tree/)
5. [Delete a tree](http://www.geeksforgeeks.org/write-a-c-program-to-delete-a-tree/)
6. [Convert a binary tree to its mirror tree](http://www.geeksforgeeks.org/write-an-efficient-c-function-to-convert-a-tree-into-its-mirror-tree/)
7. [Given two traversal sequences, construct the binary tree](http://www.geeksforgeeks.org/if-you-are-given-two-traversal-sequences-can-you-construct-the-binary-tree/)
8. [Print all root to leaf paths in a binary tree](http://www.geeksforgeeks.org/given-a-binary-tree-print-out-all-of-its-root-to-leaf-paths-one-per-line/)
9. [Lowest common ancestor in BST](http://www.geeksforgeeks.org/lowest-common-ancestor-in-a-binary-search-tree/)
10. [Level order traversal](http://www.geeksforgeeks.org/level-order-tree-traversal/)
11. [Count leaf nodes](http://www.geeksforgeeks.org/write-a-c-program-to-get-count-of-leaf-nodes-in-a-binary-tree/)
12. [Spiral level order traversal](http://www.geeksforgeeks.org/level-order-traversal-in-spiral-form/)
13. [Diameter of tree](http://www.geeksforgeeks.org/diameter-of-a-binary-tree/)
14. [Inorder traversal without recursion](http://www.geeksforgeeks.org/inorder-tree-traversal-without-recursion/)
15. [Root to leaf path sum equal to given number](http://www.geeksforgeeks.org/root-to-leaf-path-sum-equal-to-a-given-number/)
16. [Construct tree from inorder and preorder traversal](http://www.geeksforgeeks.org/construct-tree-from-given-inorder-and-preorder-traversal/)
17. [Print nodes at k distance from root](http://www.geeksforgeeks.org/print-nodes-at-k-distance-from-root/)
18. [Applications of tree](http://www.geeksforgeeks.org/applications-of-tree-data-structure/)
19. [Check if a binary tree is a subtree of another binary tree](http://www.geeksforgeeks.org/check-if-a-binary-tree-is-subtree-of-another-binary-tree/)
20. [Find inorder successor for all nodes](http://www.geeksforgeeks.org/populate-inorder-successor-for-all-nodes/)
21. [Vertical sum in a given binary tree](http://www.geeksforgeeks.org/vertical-sum-in-a-given-binary-tree/)
22. [Maximum sum root to leaf path](http://www.geeksforgeeks.org/find-the-maximum-sum-path-in-a-binary-tree/)
23. [Check if a binary tree is complete or not](http://www.geeksforgeeks.org/check-if-a-given-binary-tree-is-complete-tree-or-not/)
24. [Iterative preorder traversal](http://www.geeksforgeeks.org/iterative-preorder-traversal/)
25. [Iterative postorder traversal](http://www.geeksforgeeks.org/iterative-postorder-traversal-using-stack/)
26. [Reverse level order traversal](http://www.geeksforgeeks.org/reverse-level-order-traversal/)
27. [Binary tree to doubly linked list](http://www.geeksforgeeks.org/in-place-convert-a-given-binary-tree-to-doubly-linked-list/) OR [Binary tree to double linked list](http://www.geeksforgeeks.org/convert-given-binary-tree-doubly-linked-list-set-3/)
28. [Find height of tree iteratively](http://www.geeksforgeeks.org/iterative-method-to-find-height-of-binary-tree/)
29. [Left view of binary tree](http://www.geeksforgeeks.org/print-left-view-binary-tree/)
30. [Lowest common ancestor binary tree](http://www.geeksforgeeks.org/lowest-common-ancestor-binary-tree-set-1/)
31. [Print all nodes at k distance from given node](http://www.geeksforgeeks.org/print-nodes-distance-k-given-node-binary-tree/)
32. [Right view of binary tree](http://www.geeksforgeeks.org/print-right-view-binary-tree-2/)
33. [Check if binary tree is subtree of another binary tree](http://www.geeksforgeeks.org/check-binary-tree-subtree-another-binary-tree-set-2/)
34. [Print nodes b/w two given levels](http://www.geeksforgeeks.org/given-binary-tree-print-nodes-two-given-level-numbers/)
35. [Find node with min value in BST](http://www.geeksforgeeks.org/find-the-minimum-element-in-a-binary-search-tree/)
36. [Check if a binary tree is BST](http://www.geeksforgeeks.org/a-program-to-check-if-a-binary-tree-is-bst-or-not/)
37. [Find kth smallest element in BST](http://www.geeksforgeeks.org/find-k-th-smallest-element-in-bst-order-statistics-in-bst/)
38. [Sorted linked list to balanced BST](http://www.geeksforgeeks.org/sorted-linked-list-to-balanced-bst/)
39. [Kth largest element in BST](http://www.geeksforgeeks.org/kth-largest-element-in-bst-when-modification-to-bst-is-not-allowed/)
40. [Advantages of BST over hash table](http://www.geeksforgeeks.org/advantages-of-bst-over-hash-table/)
41. [Kth smallest element in BST using O(1) space](http://www.geeksforgeeks.org/kth-largest-element-in-bst-using-o1-extra-space/)

# **STACK**

1. [Implement queue using stack](http://www.geeksforgeeks.org/queue-using-stacks/)
2. [Check for balanced parentheses in an expression](http://www.geeksforgeeks.org/check-for-balanced-parentheses-in-an-expression/)
3. [Reverse a string using recursion](http://www.geeksforgeeks.org/reverse-a-stack-using-recursion/)
4. [Design and implement special stack](http://www.geeksforgeeks.org/design-and-implement-special-stack-data-structure/)
5. [Implement stack using queues](http://www.geeksforgeeks.org/implement-stack-using-queue/)
6. [Expression evaluation](http://www.geeksforgeeks.org/expression-evaluation/)

# **GRAPH**

1. [Applications of MST](http://www.geeksforgeeks.org/applications-of-minimum-spanning-tree/)
2. [Applications of DFS](http://www.geeksforgeeks.org/applications-of-depth-first-search/)
3. [DFS](http://www.geeksforgeeks.org/depth-first-traversal-for-a-graph/)
4. [BFS](http://www.geeksforgeeks.org/breadth-first-traversal-for-a-graph/)
5. [Detect cycle in a directed graph](http://www.geeksforgeeks.org/detect-cycle-in-a-graph/)
6. [Find if there is a path b/w two vertices in a directed graph](http://www.geeksforgeeks.org/find-if-there-is-a-path-between-two-vertices-in-a-given-graph/)
7. [Floyd Warshall Algorithm](http://www.geeksforgeeks.org/dynamic-programming-set-16-floyd-warshall-algorithm/)
8. [Detect cycle in undirected graph](http://www.geeksforgeeks.org/union-find/)
9. [Kruskal's Algorithm](http://www.geeksforgeeks.org/greedy-algorithms-set-2-kruskals-minimum-spanning-tree-mst/)
10. [Graph and its representations](http://www.geeksforgeeks.org/graph-and-its-representations/)
11. [Prim's algorithm](http://www.geeksforgeeks.org/greedy-algorithms-set-5-prims-minimum-spanning-tree-mst-2/)
12. [Prim's algorithm 2](http://www.geeksforgeeks.org/greedy-algorithms-set-5-prims-mst-for-adjacency-list-representation/)
13. [Dijkstra's algorithm](http://www.geeksforgeeks.org/greedy-algorithms-set-6-dijkstras-shortest-path-algorithm/)
14. [Dijkstra's algorithm 2](http://www.geeksforgeeks.org/greedy-algorithms-set-7-dijkstras-algorithm-for-adjacency-list-representation/)
15. [Bellman-Ford Algorithm](http://www.geeksforgeeks.org/dynamic-programming-set-23-bellman-ford-algorithm/)
16. [Transitive closure of a graph](http://www.geeksforgeeks.org/transitive-closure-of-a-graph/)
17. [Topological sorting](http://www.geeksforgeeks.org/topological-sorting/)
18. [Shortest path in directed acyclic graph](http://www.geeksforgeeks.org/shortest-path-for-directed-acyclic-graphs/)
19. [Strongly connected components](http://www.geeksforgeeks.org/strongly-connected-components/)
20. [Connectivity in directed graph](http://www.geeksforgeeks.org/connectivity-in-a-directed-graph/)
21. [Detect cycle in an undirected graph 2](http://www.geeksforgeeks.org/detect-cycle-undirected-graph/)
22. [Applications of BFS](http://www.geeksforgeeks.org/applications-of-breadth-first-traversal/)

# **MATRIX**

1. [Maximum size square submatrix with all 1s](http://www.geeksforgeeks.org/maximum-size-sub-matrix-with-all-1s-in-a-binary-matrix/)
2. [Turn an image by 90 degree](http://www.geeksforgeeks.org/turn-an-image-by-90-degree/)
3. [Search in a row wise and column wise sorted matrix](http://www.geeksforgeeks.org/search-in-row-wise-and-column-wise-sorted-matrix/)
4. [Print a given matrix in spiral form](http://www.geeksforgeeks.org/print-a-given-matrix-in-spiral-form/)
5. [A boolean matrix question](http://www.geeksforgeeks.org/a-boolean-matrix-question/)
6. [Min cost path](http://www.geeksforgeeks.org/dynamic-programming-set-6-min-cost-path/)
7. [Find the row with maximum number of 1s](http://www.geeksforgeeks.org/find-the-row-with-maximum-number-1s/)
8. [Find the number of islands](http://www.geeksforgeeks.org/find-number-of-islands/)
9. [Maximum sum rectangle in a 2D matrix](http://www.geeksforgeeks.org/dynamic-programming-set-27-max-sum-rectangle-in-a-2d-matrix/)
10. [Rotate matrix clockwise](http://www.geeksforgeeks.org/rotate-matrix-elements/)
11. [Given a boolean matrix. Find k such that all elements in the kth row are 0 and the kth 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/)
12. [Maximum size rectangle binary submatrix with all 1s](http://www.geeksforgeeks.org/maximum-size-rectangle-binary-sub-matrix-1s/)

# **QUEUE**

1. [Level order traversal](http://www.geeksforgeeks.org/level-order-tree-traversal/)
2. [Spiral level order traversal](http://www.geeksforgeeks.org/level-order-traversal-in-spiral-form/)
3. [Implement queue using stacks](http://www.geeksforgeeks.org/queue-using-stacks/)
4. [Applications of queue](http://www.geeksforgeeks.org/applications-of-queue-data-structure/)
5. [Implement stack using queues](http://www.geeksforgeeks.org/implement-stack-using-queue/)
6. [First circular tour that visits all petrol pumps](http://www.geeksforgeeks.org/find-a-tour-that-visits-all-stations/)
7. [Iterative height of binary tree](http://www.geeksforgeeks.org/iterative-method-to-find-height-of-binary-tree/)

# **HEAP**

1. [k largest elements in an array](http://www.geeksforgeeks.org/k-largestor-smallest-elements-in-an-array/)
2. [Applications of heap](http://www.geeksforgeeks.org/applications-of-heap-data-structure/)
3. [Build heap](http://www.geeksforgeeks.org/g-fact-85/)
4. [Median in a stream of integers](http://www.geeksforgeeks.org/median-of-stream-of-integers-running-integers/)
5. [Sort a k sorted array](http://www.geeksforgeeks.org/nearly-sorted-algorithm/)
6. [Sort numbers stored on different machines](http://www.geeksforgeeks.org/sort-numbers-stored-on-different-machines/)
7. [Merge k sorted arrays](http://www.geeksforgeeks.org/merge-k-sorted-arrays/)
8. [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/)
9. [kth smallest element in unsorted array](http://www.geeksforgeeks.org/kth-smallestlargest-element-unsorted-array/)
10. [kth largest element in stream](http://www.geeksforgeeks.org/kth-largest-element-in-a-stream/) -> Zupee
11. [Why prefer heap over BST for priority queue](http://www.geeksforgeeks.org/why-is-binary-heap-preferred-over-bst-for-priority-queue/)

# **HASHING**

1. [Check for pair in array 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. [Vertical sum in binary tree](http://www.geeksforgeeks.org/vertical-sum-in-a-given-binary-tree/)
3. [Largest subarray with equal number of 0s and 1s](http://www.geeksforgeeks.org/largest-subarray-with-equal-number-of-0s-and-1s/)
4. [Find if there is a subarray with 0 sum](http://www.geeksforgeeks.org/find-if-there-is-a-subarray-with-0-sum/)
5. [Print binary tree in vertical order](http://www.geeksforgeeks.org/print-binary-tree-vertical-order-set-2/)
6. [Special data structure](http://www.geeksforgeeks.org/design-a-data-structure-that-supports-insert-delete-search-and-getrandom-in-constant-time/)
7. [Find itinerary from a given list of tickets](http://www.geeksforgeeks.org/find-itinerary-from-a-given-list-of-tickets/)
8. [Largest subarray with 0 sum](http://www.geeksforgeeks.org/find-the-largest-subarray-with-0-sum/)

# **BST**

1. [Find min element](http://www.geeksforgeeks.org/find-the-minimum-element-in-a-binary-search-tree/)
2. [Check if binary tree is BST](http://www.geeksforgeeks.org/a-program-to-check-if-a-binary-tree-is-bst-or-not/) -> McKinsey
3. [Inorder successor](http://www.geeksforgeeks.org/inorder-successor-in-binary-search-tree/)
4. [kth smallest element using order statistics](http://www.geeksforgeeks.org/find-k-th-smallest-element-in-bst-order-statistics-in-bst/)
5. [Sorted linked list to balanced BST](http://www.geeksforgeeks.org/sorted-linked-list-to-balanced-bst/)
6. [Construct BST from given preorder traversal](http://www.geeksforgeeks.org/construct-bst-from-given-preorder-traversa/)
7. [Construct BST from given preorder traversal | Set 2](http://www.geeksforgeeks.org/construct-bst-from-given-preorder-traversal-set-2/)

# **PUZZLES**

1. [Measure 1 litre using 2 vessels and infinite water supply](http://www.geeksforgeeks.org/measure-1-litre-from-two-vessels-infinite-water-supply/)( This problem is not asked to be coded. It is asked only as a puzzle. See [this](http://puzzles.nigelcoldwell.co.uk/twentytwo.htm) too )
2. [2 eggs 100 floors](http://www.programmerinterview.com/index.php/puzzles/2-eggs-100-floors-puzzle/)
3. [Mutilated chessboard problem](http://puzzles.nigelcoldwell.co.uk/sixteen.htm)
4. [100 prisoners, red and blue hats](http://puzzles.nigelcoldwell.co.uk/thirtynine.htm)
5. [Measure weight of an elephant](http://www.programmerinterview.com/index.php/puzzles/measure-weight-of-an-elephant-with-no-scale/)
6. [Measure 9 minutes](http://puzzles.nigelcoldwell.co.uk/forty.htm)
7. [Shortest path in cube](http://puzzles.nigelcoldwell.co.uk/three.htm)
8. [Angle b/w hour and minute hand](http://puzzles.nigelcoldwell.co.uk/five.htm)
9. [100 doors puzzle](http://puzzles.nigelcoldwell.co.uk/six.htm)
10. [Biased to unbiased coin](http://puzzles.nigelcoldwell.co.uk/fiftyseven.htm)
11. [Red blue pills](http://puzzles.nigelcoldwell.co.uk/fiftyeight.htm)
12. [25 horses puzzle](http://puzzles.nigelcoldwell.co.uk/fiftynine.htm)
13. [Poisoned bottles](http://puzzles.nigelcoldwell.co.uk/sixtyone.htm)
14. [Find the lightest coin](http://www.programmerinterview.com/index.php/puzzles/8-pennies-find-lightest-7-equal/)
15. [Snail and well problem](http://puzzles.nigelcoldwell.co.uk/sixtytwo.htm)
16. [Prisoner hat riddle](http://www.programmerinterview.com/index.php/puzzles/hat-puzzle-black-and-white-hats/)
17. [Cut the cake](http://www.programmerinterview.com/index.php/puzzles/birthday-cake-8-pieces/)
18. [3 bulbs and switches problem](http://puzzles.nigelcoldwell.co.uk/seven.htm) -> Koo (Indian Twitter)
19. [Ask the question](http://puzzles.nigelcoldwell.co.uk/fortynine.htm)
20. [Cheating husbands](http://puzzles.nigelcoldwell.co.uk/nine.htm)
21. [12 marbles and a scale](http://puzzles.nigelcoldwell.co.uk/one.htm)
22. [Socks puzzle](http://puzzles.nigelcoldwell.co.uk/fiftytwo.htm)
23. [Bee and train puzzle](http://puzzles.nigelcoldwell.co.uk/fiftythree.htm)
24. [Will you die](http://puzzles.nigelcoldwell.co.uk/fiftyfour.htm)
25. [Globe walker](http://www.mytechinterviews.com/globe-walker)
26. [Crossing the river](http://puzzles.nigelcoldwell.co.uk/fiftysix.htm)
27. [Changing your mind](http://puzzles.nigelcoldwell.co.uk/twentythree.htm)
28. [Divide cards symmetrically](http://puzzles.nigelcoldwell.co.uk/thirtysix.htm)
29. [Where are you](http://puzzles.nigelcoldwell.co.uk/fortytwo.htm)
30. [Real and fake coins](http://puzzles.nigelcoldwell.co.uk/fortythree.htm)
31. [Camel and banana puzzle](http://www.crazyforcode.com/camel-bananas-puzzle/)
32. [Probability of observing a car](http://puzzles.nigelcoldwell.co.uk/thirtyeight.htm)
33. [Red and blue marbles](http://puzzlersworld.com/interview-puzzles/red-and-blue-marbles/)
34. [Warden and 23 prisoners](http://www.techinterviewpuzzles.com/2010/06/warden-and-23-prisoners-google.html)
35. [Crossing a bridge](http://puzzles.nigelcoldwell.co.uk/twentyfive.htm)
36. [Age of daughter](http://puzzles.nigelcoldwell.co.uk/thirtyfour.htm)
37. [Trains and birds](http://www.mytechinterviews.com/trains-and-birds)
38. [Inverted cards puzzle](http://puzzlersworld.com/interview-puzzles/inverted-cards-puzzle/)
39. [Aligned clock hands](http://puzzles.nigelcoldwell.co.uk/thirtyfive.htm)
40. [3 blind men hat color](http://puzzles.nigelcoldwell.co.uk/twelve.htm)
41. [Gold bar problem](http://www.crazyforcode.com/gold-bar-cuts-puzzle/)
42. [5 pirates 100 coins](http://www.techinterviewpuzzles.com/2013/07/five-pirates-splitting-100-coins-puzzle.html)
43. [A box of defective balls](http://www.mytechinterviews.com/one-box-of-defective-balls)
44. [Probability of having boy](http://puzzlefry.com/puzzles/probability-of-having-boy/)
45. [Days of month using 2 dice](http://puzzlersworld.com/interview-puzzles/days-of-months-using-2-dice/)
46. [Red and blue balls](http://puzzlersworld.com/interview-puzzles/red-and-blue-balls/)
47. [Measure 45 seconds](http://puzzles.nigelcoldwell.co.uk/seventeen.htm) -> McKinsey
48. [Water level](http://puzzles.nigelcoldwell.co.uk/twentyone.htm)
49. [8 marbles find heaviest](http://www.programmerinterview.com/index.php/puzzles/8-marbles-puzzle-riddle/)
50. [100 people with sword](http://puzzlersworld.com/interview-puzzles/100-people-sword-puzzle/)
51. [Lie tribe and truth tribe](http://puzzlersworld.com/interview-puzzles/lie-tribe-truth-tribe/)
52. [Monty hall problem](http://betterexplained.com/articles/understanding-the-monty-hall-problem/)
53. [Girl counting on fingers](http://www.examveda.com/a-young-girl-counted-in-the-following-way-on-the-fingers-of-her-left-hand-she-started-calling-the-thumb-1-the-index-finger-2-middle-finger-3-ring-finger-116/)