

480

INTERVIEW QUESTIONS

GEEKS FOR GEEKS

# ARRAYS (63)

## Basic

1. <https://practice.geeksforgeeks.org/problems/missing-number-in-array/0/?track=md-arrays&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/majority-element/0/?track=md-arrays&batchId=144>
3. <https://practice.geeksforgeeks.org/problems/binary-search-1587115620/1/?track=md-arrays&batchId=144>
4. <https://practice.geeksforgeeks.org/problems/reverse-array-in-groups0255/1/?track=sp-arrays-and-searching&batchId=152>
5. <https://practice.geeksforgeeks.org/problems/binary-search-1587115620/1/?track=sp-arrays-and-searching&batchId=152>
6. <https://practice.geeksforgeeks.org/problems/remove-duplicate-elements-from-sorted-array/1/?track=sp-arrays-and-searching&batchId=152>
7. <https://practice.geeksforgeeks.org/problems/union-of-two-arrays/0>
8. <https://practice.geeksforgeeks.org/problems/selection-sort/1>
9. <https://practice.geeksforgeeks.org/problems/bubble-sort/1>
10. <https://practice.geeksforgeeks.org/problems/insertion-sort/1>
11. <https://practice.geeksforgeeks.org/problems/merge-sort/1>
12. <https://practice.geeksforgeeks.org/problems/quick-sort/1>
13. <https://practice.geeksforgeeks.org/problems/heap-sort/1>

## Easy

1. <https://practice.geeksforgeeks.org/problems/spirally-traversing-a-matrix/0>
2. <https://practice.geeksforgeeks.org/problems/leaders-in-an-array/0/?track=md-arrays&batchId=144>
3. <https://practice.geeksforgeeks.org/problems/equilibrium-point/0/?track=md-arrays&batchId=144>
4. <https://practice.geeksforgeeks.org/problems/largest-subarray-of-0s-and-1s/1/?track=md-arrays&batchId=144>
5. <https://practice.geeksforgeeks.org/problems/subarray-with-given-sum/0/?track=md-arrays&batchId=144>
6. <https://practice.geeksforgeeks.org/problems/sort-an-array-of-0s-1s-and-2s/0/?track=md-arrays&batchId=144>
7. <https://practice.geeksforgeeks.org/problems/remove-duplicate-elements-from-sorted-array/1/?track=sp-arrays-and-searching&batchId=152>
8. <https://practice.geeksforgeeks.org/problems/sort-by-absolute-difference-1587115621/1/?track=sp-arrays-and-searching&batchId=152>

9. <https://practice.geeksforgeeks.org/problems/rotate-array-by-n-elements-1587115621/1/?track=sp-arrays-and-searching&batchId=152>
10. <https://practice.geeksforgeeks.org/problems/find-immediate-smaller-than-x/1/?track=sp-arrays-and-searching&batchId=152>
11. <https://practice.geeksforgeeks.org/problems/reverse-the-array/1/?track=sp-arrays-and-searching&batchId=152>
12. <https://practice.geeksforgeeks.org/problems/count-distinct-elements-in-every-window/1/?track=sp-arrays-and-searching&batchId=152>
13. <https://practice.geeksforgeeks.org/problems/find-transition-point-1587115620/1/?track=sp-arrays-and-searching&batchId=152>
14. <https://practice.geeksforgeeks.org/problems/spirally-traversing-a-matrix/0>
15. <https://practice.geeksforgeeks.org/problems/array-subset-of-another-array/0>
16. <https://practice.geeksforgeeks.org/problems/find-duplicates-in-an-array/1>
17. <https://practice.geeksforgeeks.org/problems/two-repeated-elements/0>
18. <https://practice.geeksforgeeks.org/problems/common-elements/0>
19. <https://practice.geeksforgeeks.org/problems/maximum-of-all-subarrays-of-size-k3101/1/?track=sp-arrays-and-searching&batchId=152>
20. <https://practice.geeksforgeeks.org/problems/maximum-difference-1587115620/1/?track=sp-arrays-and-searching&batchId=152>
21. <https://practice.geeksforgeeks.org/problems/first-repeating-element4018/1/?track=sp-arrays-and-searching&batchId=152>
22. <https://practice.geeksforgeeks.org/problems/peak-element/1/?track=sp-arrays-and-searching&batchId=152>
23. <https://practice.geeksforgeeks.org/problems/union-of-two-sorted-arrays-1587115621/1/?track=sp-arrays-and-searching&batchId=152>
24. <https://practice.geeksforgeeks.org/problems/count-pairs-with-given-sum/0>
25. <https://www.geeksforgeeks.org/non-repeating-element/>
26. <https://practice.geeksforgeeks.org/problems/maximum-product-subarray/0>
27. <https://practice.geeksforgeeks.org/problems/minimum-element-in-a-sorted-and-rotated-array/0>
28. <https://practice.geeksforgeeks.org/problems/triplet-sum-in-array/0>
29. <https://practice.geeksforgeeks.org/problems/smallest-factorial-number/0>
30. <https://practice.geeksforgeeks.org/problems/largest-even-number/0>

## Medium

1. <https://practice.geeksforgeeks.org/problems/inversion-of-array/0/?track=md-arrays&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/kadanes-algorithm/0/?track=md-arrays&batchId=144>
3. <https://practice.geeksforgeeks.org/problems/stock-buy-and-sell/0/?track=md-arrays&batchId=144>

4. <https://practice.geeksforgeeks.org/problems/kth-smallest-element/0/?track=md-arrays&batchId=144>
5. <https://practice.geeksforgeeks.org/problems/number-of-pairs/0/?track=md-arrays&batchId=144>
6. <https://practice.geeksforgeeks.org/problems/-rearrange-array-alternately/0/?track=md-arrays&batchId=144>
7. <https://practice.geeksforgeeks.org/problems/minimum-platforms/0/?track=md-arrays&batchId=144>
8. <https://practice.geeksforgeeks.org/problems/trapping-rain-water-1587115621/1/?track=md-arrays&batchId=144>
9. <https://practice.geeksforgeeks.org/problems/boolean-matrix-problem/0/?track=md-arrays&batchId=144>
10. <https://practice.geeksforgeeks.org/problems/longest-subarray-of-evens-and-odds/1/?track=sp-arrays-and-searching&batchId=152>
11. <https://practice.geeksforgeeks.org/problems/kadanes-algorithm4325/1/?track=sp-arrays-and-searching&batchId=152>
12. <https://practice.geeksforgeeks.org/problems/row-with-max-1s/0>
13. <https://practice.geeksforgeeks.org/problems/median-in-a-row-wise-sorted-matrix/0>
14. <https://practice.geeksforgeeks.org/problems/smallest-positive-missing-number-1587115621/1/?track=sp-arrays-and-searching&batchId=152>
15. <https://practice.geeksforgeeks.org/problems/minimum-swaps/1/?track=sp-arrays-and-searching&batchId=152>
16. <https://practice.geeksforgeeks.org/problems/longest-consecutive-subsequence/0>
17. <https://practice.geeksforgeeks.org/problems/minimize-the-heights/0>
18. <https://practice.geeksforgeeks.org/problems/minimum-number-of-jumps/0>
19. <https://practice.geeksforgeeks.org/problems/inversion-of-array/0>

#### Hard

1. <https://practice.geeksforgeeks.org/problems/merge-two-sorted-arrays/0/?track=md-arrays&batchId=144>

# Strings (37)

## Basic

1. <https://practice.geeksforgeeks.org/problems/check-if-string-is-rotated-by-two-places/0/?track=md-string&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/implement-strstr/1/?track=md-string&batchId=144>
3. <https://practice.geeksforgeeks.org/problems/implement-atoi/1/?track=md-string&batchId=144>
4. <https://practice.geeksforgeeks.org/problems/permutations-of-a-given-string/0/?track=md-string&batchId=144>
5. <https://practice.geeksforgeeks.org/problems/convert-to-roman-no/1/?track=sp-strings&batchId=152>
6. <https://practice.geeksforgeeks.org/problems/maximum-occurring-character-1587115620/1/?track=sp-strings&batchId=152>
7. <https://practice.geeksforgeeks.org/problems/remainder-with-7/1/?track=sp-strings&batchId=152>
8. <https://practice.geeksforgeeks.org/problems/insert-a-node-in-doubly-linked-list/1>
9. <https://practice.geeksforgeeks.org/problems/find-first-repeated-character/0>

## Easy

1. <https://practice.geeksforgeeks.org/problems/validate-an-ip-address-1587115621/1/?track=sp-strings&batchId=152>
2. <https://practice.geeksforgeeks.org/problems/isomorphic-strings-1587115620/1/?track=sp-strings&batchId=152>
3. <https://practice.geeksforgeeks.org/problems/reverse-words-in-a-given-string5459/1/?track=sp-strings&batchId=152>
4. <https://practice.geeksforgeeks.org/problems/anagram/0/?track=md-string&batchId=144>
5. <https://practice.geeksforgeeks.org/problems/reverse-words-in-a-given-string/0/?track=md-string&batchId=144>
6. <https://practice.geeksforgeeks.org/problems/remove-duplicates/0/?track=md-string&batchId=144>
7. [https://docs.google.com/document/d/1uUn\\_BmLHBRMEUJrVRs5bAZAKTiJtAt-4CcyloZNtGi8/edit](https://docs.google.com/document/d/1uUn_BmLHBRMEUJrVRs5bAZAKTiJtAt-4CcyloZNtGi8/edit)

8. <https://practice.geeksforgeeks.org/problems/roman-number-to-integer/0/?track=md-string&batchId=144>
9. <https://practice.geeksforgeeks.org/problems/longest-repeating-subsequence/0>
10. <https://practice.geeksforgeeks.org/problems/minimum-swaps-for-bracket-balancing/0>
11. <https://practice.geeksforgeeks.org/problems/count-the-reversals/0>
12. <https://practice.geeksforgeeks.org/problems/second-most-repeated-string-in-a-sequence/0>
13. <https://practice.geeksforgeeks.org/problems/min-number-of-flips/0>
14. <https://practice.geeksforgeeks.org/problems/find-the-string-in-grid/0>

## Medium

1. <https://practice.geeksforgeeks.org/problems/multiply-two-strings/1/?track=sp-strings&batchId=152>
2. <https://practice.geeksforgeeks.org/problems/longest-palindrome-in-a-string2235/1/?track=sp-strings&batchId=152>
3. <https://practice.geeksforgeeks.org/problems/longest-substring-without-repeating-characters/1/?track=sp-strings&batchId=152>
4. <https://practice.geeksforgeeks.org/problems/longest-common-prefix-in-an-array/0/?track=md-string&batchId=144>
5. <https://practice.geeksforgeeks.org/problems/longest-common-substring/0/?track=md-string&batchId=144>
6. <https://practice.geeksforgeeks.org/problems/form-a-palindrome/0/?track=md-string&batchId=144>
7. <https://practice.geeksforgeeks.org/problems/recursively-remove-all-adjacent-duplicates/0/?track=md-string&batchId=144>
8. <https://practice.geeksforgeeks.org/problems/smallest-distant-window/0>
9. <https://practice.geeksforgeeks.org/problems/longest-common-subsequence/0>
10. <https://practice.geeksforgeeks.org/problems/word-wrap/0>
11. <https://practice.geeksforgeeks.org/problems/edit-distance/0>
12. <https://practice.geeksforgeeks.org/problems/next-permutation/0>
13. <https://practice.geeksforgeeks.org/problems/parenthesis-checker/0>
14. <https://practice.geeksforgeeks.org/problems/count-palindromic-subsequences/1>

# Linked List (39)

## Basic

1. <https://practice.geeksforgeeks.org/problems/finding-middle-element-in-a-linked-list/1/?track=md-linkedlist&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/implement-queue-using-linked-list/1/?track=md-linkedlist&batchId=144>
3. <https://practice.geeksforgeeks.org/problems/implement-stack-using-linked-list/1/?track=md-linkedlist&batchId=144>
4. <https://practice.geeksforgeeks.org/problems/delete-node-in-doubly-linked-list/1/?track=sp-linked-list&batchId=152>
5. <https://practice.geeksforgeeks.org/problems/linked-list-insertion-1587115620/1/?track=sp-linked-list&batchId=152>
6. <https://practice.geeksforgeeks.org/problems/circular-linked-list/1/?track=sp-linked-list&batchId=152>
7. <https://practice.geeksforgeeks.org/problems/implement-stack-using-linked-list/1/?track=sp-linked-list&batchId=152>

## Easy

1. <https://practice.geeksforgeeks.org/problems/nth-node-from-end-of-linked-list/1/?track=md-linkedlist&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/rotate-a-linked-list/1/?track=md-linkedlist&batchId=144>
3. <https://practice.geeksforgeeks.org/problems/reverse-a-linked-list/1/?track=md-linkedlist&batchId=144>
4. <https://practice.geeksforgeeks.org/problems/check-if-linked-list-is-palindrome/1/?track=md-linkedlist&batchId=144>
5. <https://practice.geeksforgeeks.org/problems/detect-loop-in-linked-list/1/?track=md-linkedlist&batchId=144>
6. <https://practice.geeksforgeeks.org/problems/merge-two-sorted-linked-lists/1/?track=md-linkedlist&batchId=144>
7. <https://practice.geeksforgeeks.org/problems/given-a-linked-list-of-0s-1s-and-2s-sort-it/1/?track=md-linkedlist&batchId=144>
8. <https://practice.geeksforgeeks.org/problems/pairwise-swap-of-nodes-in-linkelist/1/?track=md-linkedlist&batchId=144>
9. <https://practice.geeksforgeeks.org/problems/add-two-numbers-represented-by-linked-lists/1/?track=md-linkedlist&batchId=144>

10. <https://practice.geeksforgeeks.org/problems/remove-duplicates-from-an-unsorted-linked-list/1/?track=sp-linked-list&batchId=152>
11. <https://practice.geeksforgeeks.org/problems/nth-node-from-end-of-linked-list/1/?track=sp-linked-list&batchId=152>
12. <https://practice.geeksforgeeks.org/problems/split-a-circular-linked-list-into-two-halves/1>
13. <https://practice.geeksforgeeks.org/problems/remove-duplicate-element-from-sorted-linked-list/1/?track=sp-linked-list&batchId=152>
14. <https://practice.geeksforgeeks.org/problems/find-length-of-loop/1/?track=sp-linked-list&batchId=152>
15. <https://practice.geeksforgeeks.org/problems/linked-list-matrix/1/?track=sp-linked-list&batchId=152>
16. <https://practice.geeksforgeeks.org/problems/delete-a-node-in-single-linked-list/1/?track=sp-linked-list&batchId=152>
17. <https://practice.geeksforgeeks.org/problems/compare-two-linked-lists/1/?track=sp-linked-list&batchId=152>
18. <https://practice.geeksforgeeks.org/problems/linked-list-in-zig-zag-fashion/1/?track=sp-linked-list&batchId=152>
19. <https://practice.geeksforgeeks.org/problems/insert-in-sorted-linked-list/1/?track=sp-linked-list&batchId=152>
20. <https://practice.geeksforgeeks.org/problems/add-1-to-a-number-represented-as-linked-list/1>
21. <https://practice.geeksforgeeks.org/problems/intersection-of-two-sorted-linked-lists/1>
22. <https://practice.geeksforgeeks.org/problems/sort-a-linked-list/1>

## Medium

1. <https://practice.geeksforgeeks.org/problems/reverse-a-linked-list-in-groups-of-given-size/1/?track=md-linkedlist&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/remove-loop-in-linked-list/1/?track=md-linkedlist&batchId=144>
3. <https://practice.geeksforgeeks.org/problems/intersection-point-in-y-shaped-linked-lists/1/?track=md-linkedlist&batchId=144>
4. <https://practice.geeksforgeeks.org/problems/delete-without-head-pointer/1/?track=md-linkedlist&batchId=144>
5. <https://practice.geeksforgeeks.org/problems/flattening-a-linked-list/1/?track=md-linkedlist&batchId=144>
6. <https://practice.geeksforgeeks.org/problems/given-a-linked-list-reverse-alternate-nodes-and-append-at-the-end/1/?track=sp-linked-list&batchId=152>
7. <https://practice.geeksforgeeks.org/problems/clone-a-linked-list-with-next-and-random-pointer/1/?track=sp-linked-list&batchId=152>



8. <https://practice.geeksforgeeks.org/problems/merge-k-sorted-linked-lists/1/?track=sp-linked-list&batchId=152>
9. <https://practice.geeksforgeeks.org/problems/polynomial-addition/1/?track=sp-linked-list&batchId=152>
10. <https://practice.geeksforgeeks.org/problems/quick-sort-on-linked-list/1>

# Hashing (29)

## Easy

1. <https://practice.geeksforgeeks.org/problems/check-if-a-string-is-isogram-or-not-1587115620/1/?track=sp-hashing&batchId=152>
2. <https://practice.geeksforgeeks.org/problems/check-if-two-arrays-are-equal-or-not-3847/1/?track=sp-hashing&batchId=152>
3. <https://practice.geeksforgeeks.org/problems/find-first-repeated-character/0/?track=md-hashing&batchId=144>
4. <https://practice.geeksforgeeks.org/problems/uncommon-characters/0/?track=md-hashing&batchId=144>
5. <https://practice.geeksforgeeks.org/problems/first-element-to-occur-k-times/0/?track=md-hashing&batchId=144>

## Basic

1. <https://practice.geeksforgeeks.org/problems/count-the-elements/0/?track=sp-hashing&batchId=152>
2. <https://practice.geeksforgeeks.org/problems/count-distinct-elements-in-every-window/1/?track=sp-hashing&batchId=152>
3. <https://practice.geeksforgeeks.org/problems/check-if-two-strings-are-k-anagrams-or-not/1/?track=sp-hashing&batchId=152>
4. <https://practice.geeksforgeeks.org/problems/print-distinct-elements-1587115620/1/?track=sp-hashing&batchId=152>
5. <https://practice.geeksforgeeks.org/problems/winner-of-an-election-where-votes-are-represented-as-candidate-names-1587115621/1/?track=sp-hashing&batchId=152>
6. <https://practice.geeksforgeeks.org/problems/minimum-indexed-character/0221/1/?track=sp-hashing&batchId=152>
7. <https://practice.geeksforgeeks.org/problems/key-pair/1554/1/?track=sp-hashing&batchId=152>
8. <https://practice.geeksforgeeks.org/problems/largest-subarray-with-0-sum/1/?track=sp-hashing&batchId=152>
9. <https://practice.geeksforgeeks.org/problems/common-elements/0/?track=md-hashing&batchId=144>
10. <https://practice.geeksforgeeks.org/problems/find-all-four-sum-numbers/0/?track=md-hashing&batchId=144>
11. <https://practice.geeksforgeeks.org/problems/swapping-pairs-make-sum-equal/0/?track=md-hashing&batchId=144>
12. <https://practice.geeksforgeeks.org/problems/array-subset-of-another-array/0/?track=md-hashing&batchId=144>
13. <https://practice.geeksforgeeks.org/problems/find-all-pairs-whose-sum-is-x/0/?track=md-hashing&batchId=144>

14. <https://practice.geeksforgeeks.org/problems/minimum-indexed-character/0/?track=md-hashing&batchId=144>
15. <https://practice.geeksforgeeks.org/problems/smallest-window-in-a-string-containing-all-the-characters-of-another-string/0/?track=md-hashing&batchId=144>
16. <https://practice.geeksforgeeks.org/problems/check-frequencies/0/?track=md-hashing&batchId=144>

## Medum

1. <https://practice.geeksforgeeks.org/problems/longest-consecutive-subsequence/0/?track=sp-hashing&batchId=152>
2. <https://practice.geeksforgeeks.org/problems/array-pair-sum-divisibility-problem/0/?track=md-hashing&batchId=144>
3. <https://practice.geeksforgeeks.org/problems/zero-sum-subarrays1825/1/?track=sp-hashing&batchId=152>
4. <https://practice.geeksforgeeks.org/problems/print-anagrams-together/1/?track=sp-hashing&batchId=152>
5. <https://practice.geeksforgeeks.org/problems/top-k-frequent-elements-in-array/1/?track=sp-hashing&batchId=152>
6. <https://practice.geeksforgeeks.org/problems/sorting-elements-of-an-array-by-frequency-1587115621/1/?track=sp-hashing&batchId=152>
7. <https://practice.geeksforgeeks.org/problems/count-subarrays-with-equal-number-of-1s-and-0s-1587115620/1/?track=sp-hashing&batchId=152>
8. <https://practice.geeksforgeeks.org/problems/relative-sorting/0/?track=md-hashing&batchId=144>

# Stack (22)

## Basic

1. <https://practice.geeksforgeeks.org/problems/implement-stack-using-linked-list/1/?track=sp-stack&batchId=152>
2. <https://practice.geeksforgeeks.org/problems/implement-stack-using-array/1/?track=sp-stack&batchId=152>

## Easy

1. <https://practice.geeksforgeeks.org/problems/special-stack/1/?track=sp-stack&batchId=152>
2. <https://practice.geeksforgeeks.org/problems/sort-a-stack/1/?track=sp-stack&batchId=152>
3. <https://practice.geeksforgeeks.org/problems/reverse-a-string-using-stack/1/?track=sp-stack&batchId=152>
4. <https://practice.geeksforgeeks.org/problems/delete-middle-element-of-a-stack/1/?track=sp-stack&batchId=152>
5. <https://practice.geeksforgeeks.org/problems/removing-consecutive-duplicates-2-1587115621/1/?track=sp-stack&batchId=152>
6. <https://practice.geeksforgeeks.org/problems/evaluation-of-postfix-expression1735/1/?track=sp-stack&batchId=152>
7. <https://practice.geeksforgeeks.org/problems/implement-two-stacks-in-an-array/1>
8. <https://practice.geeksforgeeks.org/problems/stack-using-two-queues/1>
9. <https://practice.geeksforgeeks.org/problems/valid-substring/0>
10. <https://practice.geeksforgeeks.org/problems/maximum-difference/1>
11. <https://practice.geeksforgeeks.org/problems/count-the-reversals/0>

## Medium

1. <https://practice.geeksforgeeks.org/problems/parenthesis-checker/0/?track=md-stack&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/next-larger-element/0/?track=md-stack&batchId=144>
3. <https://practice.geeksforgeeks.org/problems/get-minimum-element-from-stack/1/?track=md-stack&batchId=144>
4. <https://practice.geeksforgeeks.org/problems/max-rectangle/1/?track=sp-stack&batchId=152>

5. <https://practice.geeksforgeeks.org/problems/stock-span-problem-1587115621/1/?track=sp-stack&batchId=152>
6. <https://practice.geeksforgeeks.org/problems/the-celebrity-problem/1>
7. <https://practice.geeksforgeeks.org/problems/infix-to-postfix-1587115620/1/?track=sp-stack&batchId=152>
8. <https://practice.geeksforgeeks.org/problems/maximum-rectangular-area-in-a-histogram-1587115620/1/?track=sp-stack&batchId=152>
9. <https://practice.geeksforgeeks.org/problems/overlapping-intervals/0>

# Queue (19)

## Basic

1. <https://practice.geeksforgeeks.org/problems/implement-queue-using-linked-list/1/?track=sp-queue&batchId=152>
2. <https://practice.geeksforgeeks.org/problems/generate-binary-numbers-1587115620/1/?track=sp-queue&batchId=152>
3. <https://practice.geeksforgeeks.org/problems/queue-reversal/1/?track=sp-queue&batchId=152>
4. <https://practice.geeksforgeeks.org/problems/queue-reversal/1>

## Easy

1. <https://practice.geeksforgeeks.org/problems/queue-using-two-stacks/1/?track=md-queue&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/stack-using-two-queues/1/?track=md-queue&batchId=144>
3. <https://practice.geeksforgeeks.org/problems/level-order-traversal/1>
4. <https://practice.geeksforgeeks.org/problems/reverse-first-k-elements-of-queue/1>
5. <https://practice.geeksforgeeks.org/problems/max-level-sum-in-binary-tree/1>
6. <https://practice.geeksforgeeks.org/problems/first-negative-integer-in-every-window-of-size-k/0>
7. <https://practice.geeksforgeeks.org/problems/game-with-string/0>

## Medium

1. <https://practice.geeksforgeeks.org/problems/first-non-repeating-character-in-a-stream/0/?track=md-queue&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/maximum-of-all-subarrays-of-size-k/0/?track=md-queue&batchId=144>
3. <https://practice.geeksforgeeks.org/problems/rotten-oranges/0/?track=md-queue&batchId=144>
4. <https://practice.geeksforgeeks.org/problems/circular-tour-1587115620/1/?track=md-queue&batchId=144>
5. <https://practice.geeksforgeeks.org/problems/lru-cache/1/?track=md-queue&batchId=144>
6. <https://practice.geeksforgeeks.org/problems/maximum-of-all-subarrays-of-size-k3101/1/?track=sp-queue&batchId=152>
7. <https://practice.geeksforgeeks.org/problems/distance-of-nearest-cell-having-1/0>
8. <https://practice.geeksforgeeks.org/problems/minimum-step-destination/1/?track=sp-queue&batchId=152>

# Heap (20)

## Basic

1. <https://practice.geeksforgeeks.org/problems/k-largest-elements/0>

## Easy

1. <https://practice.geeksforgeeks.org/problems/heap-sort/1/?track=md-heap&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/operations-on-binary-min-heap/1/?track=md-heap&batchId=144>
3. <https://practice.geeksforgeeks.org/problems/is-binary-tree-heap/1/?track=sp-heap&batchId=152>
4. <https://practice.geeksforgeeks.org/problems/huffman-decoding-1/1/?track=sp-heap&batchId=152>
5. <https://practice.geeksforgeeks.org/problems/is-binary-tree-heap/1>
6. <https://practice.geeksforgeeks.org/problems/maximum-distinct-elements-after-removing-k-elements/0>
7. <https://practice.geeksforgeeks.org/problems/merge-two-binary-max-heap/0>
8. <https://practice.geeksforgeeks.org/problems/min-sum-formed-by-digits/0>

## Medium

1. <https://practice.geeksforgeeks.org/problems/rearrange-characters/0/?track=md-heap&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/kth-largest-element-in-a-stream/0/?track=md-heap&batchId=144>
3. <https://practice.geeksforgeeks.org/problems/kth-smallest-element/0>
4. <https://practice.geeksforgeeks.org/problems/merge-k-sorted-arrays/1/?track=md-heap&batchId=144>
5. <https://practice.geeksforgeeks.org/problems/merge-k-sorted-linked-lists/1/?track=md-heap&batchId=144>
6. <https://practice.geeksforgeeks.org/problems/find-smallest-range-containing-elements-from-k-lists/1>
7. <https://practice.geeksforgeeks.org/problems/rearrange-characters/0>
8. <https://practice.geeksforgeeks.org/problems/nearly-sorted-1587115620/1/?track=sp-heap&batchId=152>
9. <https://practice.geeksforgeeks.org/problems/minimum-cost-of-ropes-1587115620/1/?track=sp-heap&batchId=152>
10. <https://practice.geeksforgeeks.org/problems/maximum-of-all-subarrays-of-size-k/0>

## Hard

1. <https://practice.geeksforgeeks.org/problems/find-median-in-a-stream/0/?track=md-heap&batchId=144>



# Trees (Binary Tree and BST) (63)

## Easy

1. <https://practice.geeksforgeeks.org/problems/height-of-binary-tree/1/?track=md-tree&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/count-leaves-in-binary-tree/1/?track=md-tree&batchId=144>
3. <https://practice.geeksforgeeks.org/problems/search-a-node-in-bst/1/?track=sp-bst&batchId=152>
4. <https://practice.geeksforgeeks.org/problems/minimum-element-in-bst/1/?track=sp-bst&batchId=152>

## Basic

1. <https://practice.geeksforgeeks.org/problems/lowest-common-ancestor-in-a-bst/1/?track=md-tree&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/determine-if-two-trees-are-identical/1/?track=md-tree&batchId=144>
3. <https://practice.geeksforgeeks.org/problems/mirror-tree/1/?track=md-tree&batchId=144>
4. <https://practice.geeksforgeeks.org/problems/left-view-of-binary-tree/1/?track=md-tree&batchId=144>
5. <https://practice.geeksforgeeks.org/problems/right-view-of-binary-tree/1>
6. <https://practice.geeksforgeeks.org/problems/maximum-path-sum/1/?track=md-tree&batchId=144>
7. <https://practice.geeksforgeeks.org/problems/check-for-balanced-tree/1/?track=md-tree&batchId=144>
8. <https://practice.geeksforgeeks.org/problems/lowest-common-ancestor-in-a-binary-tree/1/?track=md-tree&batchId=144>
9. <https://practice.geeksforgeeks.org/problems/level-order-traversal-in-spiral-form/1/?track=md-tree&batchId=144>
10. <https://practice.geeksforgeeks.org/problems/odd-even-level-difference/1/?track=sp-trees&batchId=152>
11. <https://practice.geeksforgeeks.org/problems/diagonal-sum-in-binary-tree/1/?track=sp-trees&batchId=152>
12. <https://practice.geeksforgeeks.org/problems/k-distance-from-root/1/?track=sp-trees&batchId=152>
13. <https://practice.geeksforgeeks.org/problems/kth-ancestor-in-a-tree/1/?track=sp-trees&batchId=152>

14. <https://practice.geeksforgeeks.org/problems/maximum-width-of-tree/1/?track=sp-trees&batchId=152>
15. <https://practice.geeksforgeeks.org/problems/diameter-of-binary-tree/1/?track=sp-trees&batchId=152>
16. <https://practice.geeksforgeeks.org/problems/expression-tree/1/?track=sp-trees&batchId=152>
17. <https://practice.geeksforgeeks.org/problems/check-if-tree-is-isomorphic/1/?track=sp-trees&batchId=152>
18. <https://practice.geeksforgeeks.org/problems/vertical-width-of-a-binary-tree/1/?track=sp-trees&batchId=152>
19. <https://practice.geeksforgeeks.org/problems/postorder-traversal-from-given-inorder-and-preorder-traversals/1/?track=sp-trees&batchId=152>
20. <https://practice.geeksforgeeks.org/problems/check-if-two-nodes-are-cousins/1/?track=sp-trees&batchId=152>
21. <https://practice.geeksforgeeks.org/problems/transform-to-sum-tree/1/?track=sp-trees&batchId=152>
22. <https://practice.geeksforgeeks.org/problems/construct-tree-1/1>
23. <https://practice.geeksforgeeks.org/problems/print-bst-elements-in-given-range/1/?track=sp-bst&batchId=152>
24. <https://practice.geeksforgeeks.org/problems/binary-tree-to-bst/1/?track=sp-bst&batchId=152>
25. <https://practice.geeksforgeeks.org/problems/check-whether-bst-contains-dead-end/1/?track=sp-bst&batchId=152>
26. <https://practice.geeksforgeeks.org/problems/implement-change-key-in-bst/1/?track=sp-bst&batchId=152>
27. <https://practice.geeksforgeeks.org/problems/delete-nodes-greater-than-k/1/?track=sp-bst&batchId=152>
28. <https://practice.geeksforgeeks.org/problems/normal-bst-to-balanced-bst/1/?track=sp-bst&batchId=152>
29. <https://practice.geeksforgeeks.org/problems/sum-tree/1>
30. <https://practice.geeksforgeeks.org/problems/leaf-at-same-level/1>
31. <https://practice.geeksforgeeks.org/problems/construct-bst-from-post-order/1/?track=sp-bst&batchId=152>
32. <https://practice.geeksforgeeks.org/problems/print-common-nodes-in-bst/1/?track=sp-bst&batchId=152>
33. <https://practice.geeksforgeeks.org/problems/insert-a-node-in-a-bst/1/?track=sp-bst&batchId=152>
34. <https://practice.geeksforgeeks.org/problems/kth-largest-element-in-bst/1/?track=sp-bst&batchId=152>
35. <https://practice.geeksforgeeks.org/problems/sum-of-the-longest-bloodline-of-a-tree/1>
36. <https://practice.geeksforgeeks.org/problems/brothers-from-different-root/1>

## Medium

1. <https://practice.geeksforgeeks.org/problems/print-a-binary-tree-in-vertical-order/1/?track=md-tree&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/bottom-view-of-binary-tree/1/?track=md-tree&batchId=144>
3. <https://practice.geeksforgeeks.org/problems/check-for-bst/1/?track=md-tree&batchId=144>
4. <https://practice.geeksforgeeks.org/problems/connect-nodes-at-same-level/1/?track=md-tree&batchId=144>
5. <https://practice.geeksforgeeks.org/problems/serialize-and-deserialize-a-binary-tree/1/?track=md-tree&batchId=144>
6. <https://practice.geeksforgeeks.org/problems/leaves-to-dll/1/?track=sp-trees&batchId=152>
7. <https://practice.geeksforgeeks.org/problems/bottom-view-of-binary-tree/1/?track=sp-trees&batchId=152>
8. <https://practice.geeksforgeeks.org/problems/top-view-of-binary-tree/1>
9. <https://practice.geeksforgeeks.org/problems/construct-tree-from-inorder-and-level-order/1/?track=sp-trees&batchId=152>
10. <https://practice.geeksforgeeks.org/problems/check-mirror-in-n-ary-tree/0>
- 11.
12. <https://practice.geeksforgeeks.org/problems/merge-two-bst-s/1/?track=sp-bst&batchId=152>
13. <https://practice.geeksforgeeks.org/problems/duplicate-subtree-in-binary-tree/1>
14. <https://practice.geeksforgeeks.org/problems/delete-a-node-from-bst/1/?track=sp-bst&batchId=152>
15. <https://practice.geeksforgeeks.org/problems/check-for-bst/1/?track=sp-bst&batchId=152>
16. <https://practice.geeksforgeeks.org/problems/boundary-traversal-of-binary-tree/1>
17. <https://practice.geeksforgeeks.org/problems/min-distance-between-two-given-nodes-of-a-binary-tree/1>
18. <https://practice.geeksforgeeks.org/problems/count-bst-nodes-that-lie-in-a-given-range/1>
19. <https://practice.geeksforgeeks.org/problems/populate-inorder-successor-for-all-nodes/1>
20. <https://practice.geeksforgeeks.org/problems/preorder-to-postorder/0>

## Hard

1. <https://practice.geeksforgeeks.org/problems/binary-tree-to-dll/1/?track=md-tree&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/fix-two-nodes-of-a-bst/1/?track=md-tree&batchId=144>

3. <https://practice.geeksforgeeks.org/problems/nodes-at-given-distance-in-binary-tree/1/?track=sp-trees&batchId=152>

# Graph (34)

## Basic

1. <https://practice.geeksforgeeks.org/problems/shortest-path-from-1-to-n/0>

## Easy

1. <https://practice.geeksforgeeks.org/problems/depth-first-traversal-for-a-graph/1/?track=sp-graph&batchId=152>
2. <https://practice.geeksforgeeks.org/problems/bfs-traversal-of-graph/1/?track=sp-graph&batchId=152>

## Medium

1. <https://practice.geeksforgeeks.org/problems/detect-cycle-in-an-undirected-graph/1/?track=sp-graph&batchId=152>
2. <https://practice.geeksforgeeks.org/problems/detect-cycle-in-a-directed-graph/1/?track=sp-graph&batchId=152>
3. <https://practice.geeksforgeeks.org/problems/implementing-dijkstra-set-1-adjacency-matrix/1/?track=sp-graph&batchId=152>
4. <https://practice.geeksforgeeks.org/problems/find-the-number-of-islands/1/?track=sp-graph&batchId=152>
5. <https://practice.geeksforgeeks.org/problems/topological-sort/1/?track=sp-graph&batchId=152>
6. <https://practice.geeksforgeeks.org/problems/bridge-edge-in-graph/1/?track=sp-graph&batchId=152>
7. <https://practice.geeksforgeeks.org/problems/distance-of-nearest-cell-having-1-1587115620/1/?track=sp-graph&batchId=152>
8. <https://practice.geeksforgeeks.org/problems/length-of-largest-region-of-1s-1587115620/1/?track=sp-graph&batchId=152>
9. <https://practice.geeksforgeeks.org/problems/find-whether-path-exist5238/1/?track=sp-graph&batchId=152>
10. <https://practice.geeksforgeeks.org/problems/steps-by-knight5927/1/?track=sp-graph&batchId=152>
11. <https://practice.geeksforgeeks.org/problems/possible-paths-between-2-vertices1725/1/?track=sp-graph&batchId=152>
12. <https://practice.geeksforgeeks.org/problems/path-count-in-directed-graph/1/?track=sp-graph&batchId=152>
13. <https://practice.geeksforgeeks.org/problems/word-boggle4143/1/?track=sp-graph&batchId=152>
14. <https://practice.geeksforgeeks.org/problems/snake-and-ladder-problem/0/?track=md-graph&batchId=144>

15. <https://practice.geeksforgeeks.org/problems/minimum-swaps/1/?track=md-graph&batchId=144>
16. <https://practice.geeksforgeeks.org/problems/shortest-source-to-destination-path/0/?track=md-graph&batchId=144>
17. <https://practice.geeksforgeeks.org/problems/circle-of-strings/0/?track=md-graph&batchId=144>
18. <https://practice.geeksforgeeks.org/problems/implementing-floyd-warshall/0/?track=md-graph&batchId=144>
19. <https://practice.geeksforgeeks.org/problems/alien-dictionary/1/?track=md-graph&batchId=144>
20. <https://practice.geeksforgeeks.org/problems/minimum-number-of-jumps/0>
21. <https://practice.geeksforgeeks.org/problems/rat-in-a-maze-problem/1><https://practice.geeksforgeeks.org/problems/minimum-spanning-tree/1>
22. <https://practice.geeksforgeeks.org/problems/negative-weight-cycle/0>
23. <https://practice.geeksforgeeks.org/problems/strongly-connected-components-kosarajus-algo/1>
24. <https://practice.geeksforgeeks.org/problems/bipartite-graph/1>
25. <https://practice.geeksforgeeks.org/problems/m-coloring-problem/0>
26. <https://practice.geeksforgeeks.org/problems/hamiltonian-path/0>

#### Hard

- 1.
2. <https://practice.geeksforgeeks.org/problems/minimum-cost-path3833/1/?track=sp-graph&batchId=152>
3. <https://practice.geeksforgeeks.org/problems/strongly-connected-component-tarjan-algo/0/?track=md-graph&batchId=144>
4. <https://practice.geeksforgeeks.org/problems/n-queen-problem/0>
5. <https://practice.geeksforgeeks.org/problems/find-the-maximum-flow/0>

# Greedy (16)

## Basic

1. <https://practice.geeksforgeeks.org/problems/minimize-the-sum-of-product/0/?track=sp-greedy&batchId=152>

## Easy

1. <https://practice.geeksforgeeks.org/problems/n-meetings-in-one-room/0/?track=md-greedy&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/activity-selection/0/?track=md-greedy&batchId=144>
3. <https://practice.geeksforgeeks.org/problems/shop-in-candy-store/0/?track=md-greedy&batchId=144>
4. <https://practice.geeksforgeeks.org/problems/huffman-decoding-1/1/?track=md-greedy&batchId=144>
5. <https://practice.geeksforgeeks.org/problems/largest-number-possible/0/?track=md-greedy&batchId=144>
6. <https://practice.geeksforgeeks.org/problems/maximize-toys/0/?track=md-greedy&batchId=144>
7. <https://practice.geeksforgeeks.org/problems/fractional-knapsack-1587115620/1/?track=sp-greedy&batchId=152>

## Medium

1. <https://practice.geeksforgeeks.org/problems/geek-collects-the-balls/0/?track=md-greedy&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/minimum-spanning-tree/1/?track=md-greedy&batchId=144>
3. <https://practice.geeksforgeeks.org/problems/minimize-the-heights/0/?track=md-greedy&batchId=144>
4. <https://practice.geeksforgeeks.org/problems/page-faults-in-lru/0/?track=md-greedy&batchId=144>
5. <https://practice.geeksforgeeks.org/problems/coin-piles/0/?track=md-greedy&batchId=144>
6. <https://practice.geeksforgeeks.org/problems/max-length-chain/1/?track=sp-greedy&batchId=152>
7. <https://practice.geeksforgeeks.org/problems/job-sequencing-problem-1587115620/1/?track=sp-greedy&batchId=152>
8. <https://practice.geeksforgeeks.org/problems/min-coin/0/?track=sp-greedy&batchId=152>

# Divide and Conquer (13)

## Basic

1. <https://practice.geeksforgeeks.org/problems/find-the-element-that-appears-once-in-sorted-array/0/?track=md-d-and-c&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/binary-search-1587115620/1/?track=md-d-and-c&batchId=144>

## Easy

1. <https://practice.geeksforgeeks.org/problems/search-in-a-rotated-array/0/?track=md-d-and-c&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/sum-of-middle-elements-of-two-sorted-arrays/0/?track=md-d-and-c&batchId=144>
3. <https://practice.geeksforgeeks.org/problems/quick-sort/1/?track=md-d-and-c&batchId=144>
4. <https://practice.geeksforgeeks.org/problems/merge-sort/1/?track=md-d-and-c&batchId=144>
5. <https://practice.geeksforgeeks.org/problems/k-th-element-of-two-sorted-array/0/?track=md-d-and-c&batchId=144>
6. <https://practice.geeksforgeeks.org/problems/sequence-of-sequence/0/?track=dp-divide-and-conquer&batchId=152>
7. <https://practice.geeksforgeeks.org/problems/possible-paths/0/?track=dp-divide-and-conquer&batchId=152>
8. <https://practice.geeksforgeeks.org/problems/power-of-numbers-1587115620/1/?track=dp-divide-and-conquer&batchId=152>

## Medium

1. <https://practice.geeksforgeeks.org/problems/modular-exponentiation-for-large-numbers/0/?track=dp-divide-and-conquer&batchId=152>
2. <https://practice.geeksforgeeks.org/problems/the-painters-partition-problem/0/?track=dp-divide-and-conquer&batchId=152>

## Hard

1. <https://practice.geeksforgeeks.org/problems/allocate-minimum-number-of-pages0937/1/?track=dp-divide-and-conquer&batchId=152>



# Recursion and Backtracking (28)

## Basic

1. <https://practice.geeksforgeeks.org/problems/number-of-paths/0?track=md-recursion&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/tower-of-hanoi-1587115621/1?track=sp-recursion&batchId=152>
3. <https://practice.geeksforgeeks.org/problems/palindrome/0>
4. <https://practice.geeksforgeeks.org/problems/subset-sums/0>
5. <https://practice.geeksforgeeks.org/problems/permutations-of-a-given-string/0>

## Easy

1. <https://practice.geeksforgeeks.org/problems/flood-fill-algorithm/0?track=md-recursion&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/print-pattern/0>
3. <https://practice.geeksforgeeks.org/problems/josephus-problem/1?track=md-recursion&batchId=144>
4. <https://practice.geeksforgeeks.org/problems/permutations-of-a-given-string-1587115620/1?track=sp-recursion&batchId=152>
5. <https://practice.geeksforgeeks.org/problems/power-set-using-recursion/1?track=s-p-recursion&batchId=152>

## Medium

1. <https://practice.geeksforgeeks.org/problems/special-keyboard/0?track=md-recursion&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/combination-sum-part-2/0?track=md-recursion&batchId=144>
3. <https://practice.geeksforgeeks.org/problems/rat-in-a-maze-problem/1?track=md-backtracking&batchId=144>
4. <https://practice.geeksforgeeks.org/problems/word-boggle/0?track=md-backtracking&batchId=144>
5. <https://practice.geeksforgeeks.org/problems/generate-ip-addresses/1?track=md-backtracking&batchId=144>
6. <https://practice.geeksforgeeks.org/problems/additive-sequence/1?track=sp-recursion&batchId=152>
7. <https://practice.geeksforgeeks.org/problems/minimum-number-of-steps-to-reach-a-given-number/0>
8. <https://practice.geeksforgeeks.org/problems/largest-number-in-k-swaps/0>

9. <https://practice.geeksforgeeks.org/problems/possible-words-from-phone-digits-1587115620/1/?track=sp-recursion&batchId=152>
10. <https://practice.geeksforgeeks.org/problems/combination-sum-1587115620/1/?track=sp-recursion&batchId=152>
11. <https://practice.geeksforgeeks.org/problems/minimum-similarity-between-two-strings/1/?track=sp-recursion&batchId=152>
12. <https://practice.geeksforgeeks.org/problems/word-break1352/1/?track=sp-recursion&batchId=152>
13. <https://practice.geeksforgeeks.org/problems/m-coloring-problem/0>
14. <https://practice.geeksforgeeks.org/problems/subset-sum-problem/0>

#### Hard

1. <https://practice.geeksforgeeks.org/problems/solve-the-sudoku/0/?track=md-backtracking&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/n-queen-problem/0/?track=md-backtracking&batchId=144>
3. <https://practice.geeksforgeeks.org/problems/word-break-part-2/0>
4. <https://practice.geeksforgeeks.org/problems/partition-array-to-k-subsets/1>

# Bit Magic (20)

## Basic

1. <https://practice.geeksforgeeks.org/problems/find-first-set-bit/0/?track=md-bm&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/rightmost-different-bit/0/?track=md-bm&batchId=144>
3. <https://practice.geeksforgeeks.org/problems/check-whether-k-th-bit-is-set-or-not/0/?track=md-bm&batchId=144>
4. <https://practice.geeksforgeeks.org/problems/power-of-2/0/?track=md-bm&batchId=144>
5. <https://practice.geeksforgeeks.org/problems/set-kth-bit/0/?track=md-bm&batchId=144>
6. <https://practice.geeksforgeeks.org/problems/alone-in-couple/0/?track=md-bm&batchId=144>
7. <https://practice.geeksforgeeks.org/problems/gray-code-1587115620/1/?track=sp-bit-magic&batchId=152>
8. <https://practice.geeksforgeeks.org/problems/gray-to-binary-equivalent-1587115620/1/?track=sp-bit-magic&batchId=152>
9. <https://practice.geeksforgeeks.org/problems/count-total-set-bits/0/?track=md-bm&batchId=144>
10. <https://practice.geeksforgeeks.org/problems/number-is-sparse-or-not/0/?track=md-bm&batchId=144>
11. <https://practice.geeksforgeeks.org/problems/bit-difference/0/?track=md-bm&batchId=144>
12. <https://practice.geeksforgeeks.org/problems/longest-consecutive-1s/0/?track=md-bm&batchId=144>
13. <https://practice.geeksforgeeks.org/problems/rotate-bits/0/?track=md-bm&batchId=144>

## Easy

1. <https://practice.geeksforgeeks.org/problems/swap-all-odd-and-even-bits/0/?track=md-bm&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/find-first-set-bit-1587115620/1/?track=sp-bit-magic&batchId=152>
3. <https://practice.geeksforgeeks.org/problems/rightmost-different-bit-1587115621/1/?track=sp-bit-magic&batchId=152>
4. <https://practice.geeksforgeeks.org/problems/missing-number-in-array1416/1/?track=sp-bit-magic&batchId=152>

## Medium

1. <https://practice.geeksforgeeks.org/problems/maximum-xor-subset/0/?track=md-bm&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/count-total-set-bits-1587115620/1/?track=sp-bit-magic&batchId=152>

## Hard

1. <https://practice.geeksforgeeks.org/problems/maximum-subset-xor/1/?track=sp-bit-magic&batchId=152>

# Mathematics (22)

## Basic

1. <https://practice.geeksforgeeks.org/problems/lcm-and-gcd/0/?track=sp-mathematics&batchId=152>
2. <https://practice.geeksforgeeks.org/problems/power-of-2/0/?track=sp-mathematics&batchId=152>
3. <https://practice.geeksforgeeks.org/problems/check-if-a-number-is-power-of-another-number/0/?track=sp-mathematics&batchId=152>
4. <https://practice.geeksforgeeks.org/problems/angle-between-hour-and-minute-hand/0/?track=sp-mathematics&batchId=152>
5. <https://practice.geeksforgeeks.org/problems/dice-throw/0/?track=sp-mathematics&batchId=152>
6. <https://practice.geeksforgeeks.org/problems/count-possible-triangles/0/?track=sp-mathematics&batchId=152>
7. <https://practice.geeksforgeeks.org/problems/sieve-of-eratosthenes/0/?track=sp-mathematics&batchId=152>
8. <https://practice.geeksforgeeks.org/problems/squares-in-a-matrix/0/?track=sp-mathematics&batchId=152>
9. <https://practice.geeksforgeeks.org/problems/sum-of-all-prime-numbers-between-1-and-n/0/?track=sp-mathematics&batchId=152>

## Easy

1. <https://practice.geeksforgeeks.org/problems/arithmic-number/0>
2. <https://practice.geeksforgeeks.org/problems/number-of-open-doors/0/?track=sp-mathematics&batchId=152>
3. <https://practice.geeksforgeeks.org/problems/next-in-series/0/?track=sp-mathematics&batchId=152>
4. <https://practice.geeksforgeeks.org/problems/trailing-zeroes-in-factorial/0/?track=sp-mathematics&batchId=152>
5. <https://practice.geeksforgeeks.org/problems/element-that-appears-once-where-every-element-occurs-twice/0/?track=sp-mathematics&batchId=152>

## Medium

1. <https://practice.geeksforgeeks.org/problems/jumping-numbers/0/?track=sp-mathematics&batchId=152>
2. <https://practice.geeksforgeeks.org/problems/count-ways-to-nth-stair-order-does-not-matter/0/?track=sp-mathematics&batchId=152>

3. <https://practice.geeksforgeeks.org/problems/palindromic-array/0/?track=sp-mathematics&batchId=152>
4. <https://practice.geeksforgeeks.org/problems/divisible-by-8/0/?track=sp-mathematics&batchId=152>
5. <https://practice.geeksforgeeks.org/problems/convex-hull/0/?track=sp-mathematics&batchId=152>

#### Hard

1. <https://practice.geeksforgeeks.org/problems/find-sum-of-different-corresponding-bits-for-all-pairs/0/?track=sp-mathematics&batchId=152>
2. <https://practice.geeksforgeeks.org/problems/return-two-prime-numbers/0/?track=sp-mathematics&batchId=152>
3. <https://practice.geeksforgeeks.org/problems/a-simple-fraction/0/?track=sp-mathematics&batchId=152>

# Dynamic Programming (55)

## Basic

1. <https://practice.geeksforgeeks.org/problems/print-first-n-fibonacci-numbers1002/1/?track=sp-dynamic-programming&batchId=152>

## Easy

1. <https://practice.geeksforgeeks.org/problems/0-1-knapsack-problem/0/?track=md-dp&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/-minimum-number-of-coins/0/?track=md-dp&batchId=144>
3. <https://practice.geeksforgeeks.org/problems/gold-mine-problem/0>
4. <https://practice.geeksforgeeks.org/problems/friends-pairing-problem/0>
5. <https://practice.geeksforgeeks.org/problems/nth-catalan-number/0>
6. <https://practice.geeksforgeeks.org/problems/painting-the-fence/0>
7. <https://practice.geeksforgeeks.org/problems/longest-repeating-subsequence/0>
8. <https://practice.geeksforgeeks.org/problems/shortest-common-supersequence/0/?track=md-dp&batchId=144>
9. <https://practice.geeksforgeeks.org/problems/reach-a-given-score/0>
10. <https://practice.geeksforgeeks.org/problems/maximum-sum-increasing-subsequence/0/?track=md-dp&batchId=144>
11. <https://practice.geeksforgeeks.org/problems/cutted-segments/0/?track=md-dp&batchId=144>
12. <https://practice.geeksforgeeks.org/problems/stickler-theif-1587115621/1/?track=sp-dynamic-programming&batchId=152>
13. <https://practice.geeksforgeeks.org/problems/count-number-of-hops-1587115620/1/?track=sp-dynamic-programming&batchId=152>
14. <https://practice.geeksforgeeks.org/problems/longest-subsequence-such-that-difference-between-adjacents-is-one/0>
15. <https://practice.geeksforgeeks.org/problems/coin-change-number-of-ways/1/?track=sp-dynamic-programming&batchId=152>
16. <https://practice.geeksforgeeks.org/problems/coin-change-minimum-number-of-coins/1/?track=sp-dynamic-programming&batchId=152>
17. <https://practice.geeksforgeeks.org/problems/knapsack-with-duplicate-items/0>
18. <https://practice.geeksforgeeks.org/problems/pairs-with-specific-difference/0>
19. <https://practice.geeksforgeeks.org/problems/bbt-counter/0>
20. <https://practice.geeksforgeeks.org/problems/longest-alternating-subsequence/0>
21. <https://practice.geeksforgeeks.org/problems/dearrangement-of-balls/0>
22. <https://practice.geeksforgeeks.org/problems/k-palindrome/1>
23. <https://practice.geeksforgeeks.org/problems/palindromic-partitioning/0>

## Medium

1. <https://practice.geeksforgeeks.org/problems/minimum-number-of-jumps/0/?track=md-dp&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/ncr/0>
3. <https://practice.geeksforgeeks.org/problems/longest-increasing-subsequence/0/?track=md-dp&batchId=144>
4. <https://practice.geeksforgeeks.org/problems/longest-common-subsequence/0/?track=md-dp&batchId=144>
5. <https://practice.geeksforgeeks.org/problems/coin-change/0/?track=md-dp&batchId=144>
6. <https://practice.geeksforgeeks.org/problems/subset-sum-problem/0/?track=md-dp&batchId=144>
7. <https://practice.geeksforgeeks.org/problems/lcs-of-three-strings/0>
8. <https://practice.geeksforgeeks.org/problems/edit-distance/0>
9. <https://practice.geeksforgeeks.org/problems/egg-dropping-puzzle/0/?track=md-dp&batchId=144>
10. <https://practice.geeksforgeeks.org/problems/optimal-strategy-for-a-game/0/?track=md-dp&batchId=144>
11. <https://practice.geeksforgeeks.org/problems/path-in-matrix/0/?track=md-dp&batchId=144>
12. <https://practice.geeksforgeeks.org/problems/longest-common-substring/0/?track=md-dp&batchId=144>
13. <https://practice.geeksforgeeks.org/problems/box-stacking/1/?track=md-dp&batchId=144>
14. <https://practice.geeksforgeeks.org/problems/max-length-chain/1/?track=sp-dynamic-programming&batchId=152>
15. <https://practice.geeksforgeeks.org/problems/maximum-sum-rectangle/0>
16. <https://practice.geeksforgeeks.org/problems/count-palindromic-subsequences/1/?track=sp-dynamic-programming&batchId=152>
17. <https://practice.geeksforgeeks.org/problems/count-ways-to-reach-the-nth-stair-1587115620/1/?track=sp-dynamic-programming&batchId=152>
18. <https://practice.geeksforgeeks.org/problems/largest-square-formed-in-a-matrix/0>
19. <https://practice.geeksforgeeks.org/problems/minimum-time/0>
20. <https://practice.geeksforgeeks.org/problems/minimum-cost-to-fill-given-weight-in-a-bag/0>
21. <https://practice.geeksforgeeks.org/problems/word-break/0>
22. <https://practice.geeksforgeeks.org/problems/wildcard-pattern-matching/1>
23. <https://practice.geeksforgeeks.org/problems/longest-palindrome-in-a-string/0>
24. <https://practice.geeksforgeeks.org/problems/word-wrap/0>
25. <https://practice.geeksforgeeks.org/problems/mobile-numeric-keypad/0>
26. <https://practice.geeksforgeeks.org/problems/maximum-profit/0>



27. <https://practice.geeksforgeeks.org/problems/probability-of-knight/0>
28. <https://practice.geeksforgeeks.org/problems/interleaved-strings/1>

### Hard

1. <https://practice.geeksforgeeks.org/problems/minimum-sum-partition/0/?track=md-dp&batchId=144>
2. <https://practice.geeksforgeeks.org/problems/minimum-cost-path3833/1/?track=sp-dynamic-programming&batchId=152>
3. <https://practice.geeksforgeeks.org/problems/boolean-parenthesization/0>