

DSA Practice List

Cakewalk

1. <https://leetcode.com/problems/palindrome-number>
2. <https://leetcode.com/problems/sort-an-array>

Binary Search Problems

1. <https://leetcode.com/problems/divide-two-integers> - Medium
2. <https://leetcode.com/problems/powx-n> - Medium
3. <https://leetcode.com/problems/sqrtx> - Medium
4. <https://leetcode.com/problems/find-minimum-in-rotated-sorted-array> - Medium
5. <https://leetcode.com/problems/first-bad-version> - Medium
- 6.

Sliding Window & Two Pointer

1. <https://leetcode.com/problems/longest-repeating-character-replacement>
2. <https://leetcode.com/problems/longest-substring-without-repeating-characters>
3. <https://leetcode.com/problems/grumpy-bookstore-owner>
4. <https://leetcode.com/problems/implement-strstr>
5. <https://leetcode.com/problems/minimum-size-subarray-sum>
- 6.

Arrays / Ad Hoc / Sorting Problems

1. <https://leetcode.com/problems/remove-duplicates-from-sorted-array> - Easy
2. <https://leetcode.com/problems/next-permutation> - Medium
3. <https://leetcode.com/problems/sort-colors> - Medium
4. <https://leetcode.com/problems/merge-sorted-array> - Easy
5. <https://leetcode.com/problems/maximum-subarray> - Medium
6. <https://leetcode.com/problems/plus-one> - Easy
7. <https://leetcode.com/problems/add-binary> - Easy
8. <https://leetcode.com/problems/spiral-matrix-ii>
9. <https://leetcode.com/problems/best-time-to-buy-and-sell-stock>
10. <https://leetcode.com/problems/majority-element>
11. <https://leetcode.com/problems/product-of-array-except-self>
12. <https://leetcode.com/problems/move-zeroes>
13. <https://leetcode.com/problems/intersection-of-two-arrays>
14. <https://leetcode.com/problems/sort-characters-by-frequency>
15. <https://leetcode.com/problems/k-diff-pairs-in-an-array>
16. <https://leetcode.com/problems/kth-largest-element-in-an-array>
17. <https://leetcode.com/problems/top-k-frequent-elements>

Stack Problems

1. <https://leetcode.com/problems/valid-parentheses> - Easy
2. <https://leetcode.com/problems/trapping-rain-water> - Medium/Hard
3. <https://leetcode.com/problems/maximal-rectangle> - Medium / Hard
4. <https://leetcode.com/problems/largest-rectangle-in-histogram> - Hard
5. <https://leetcode.com/problems/evaluate-reverse-polish-notation> - Medium
6. <https://leetcode.com/problems/min-stack>

7. <https://leetcode.com/problems/next-greater-element-i>

Linked List Problems

1. <https://leetcode.com/problems/swap-nodes-in-pairs> - Medium
2. <https://leetcode.com/problems/linked-list-cycle> - Medium
3. <https://leetcode.com/problems/linked-list-cycle-ii> - Medium
4. <https://leetcode.com/problems/lru-cache> - Medium
5. <https://leetcode.com/problems/copy-list-with-random-pointer> - Medium
6. <https://leetcode.com/problems/intersection-of-two-linked-lists> - Easy
7. <https://leetcode.com/problems/delete-node-in-a-linked-list> - Easy
8. <https://leetcode.com/problems/odd-even-linked-list>

Hash Table Problems

1. <https://leetcode.com/problems/two-sum> - Easy
2. <https://leetcode.com/problems/3sum> - Medium
3. <https://leetcode.com/problems/4sum> - Medium
4. <https://leetcode.com/problems/longest-consecutive-sequence> - Medium
5. <https://leetcode.com/problems/single-number> - Easy
6. <https://leetcode.com/problems/valid-anagram> - Easy
- 7.

Priority Queue / Heap

1. <https://leetcode.com/problems/median-of-two-sorted-arrays> - Hard
2. <https://leetcode.com/problems/merge-k-sorted-lists> - Hard
3. <https://leetcode.com/problems/gas-station/> - Hard
4. <https://leetcode.com/problems/find-median-from-data-stream>
5. <https://leetcode.com/problems/kth-largest-element-in-an-array/>

Dynamic Programming

1. <https://leetcode.com/problems/longest-palindromic-substring> - Medium
2. <https://leetcode.com/problems/edit-distance> - Medium
3. <https://leetcode.com/problems/decode-ways> - Medium
4. <https://leetcode.com/problems/climbing-stairs> - Easy
5. <https://leetcode.com/problems/triangle> - Easy
6. <https://leetcode.com/problems/word-break> - Medium
7. <https://leetcode.com/problems/house-robber> - Medium
8. <https://leetcode.com/problems/perfect-squares/> - Medium
9. <https://leetcode.com/problems/longest-increasing-subsequence> - Medium
10. <https://leetcode.com/problems/coin-change> - Medium
11. <https://leetcode.com/problems/integer-break> - Medium
12. <https://leetcode.com/problems/longest-palindromic-subsequence>
- 13.

Graphs

1. <https://leetcode.com/problems/number-of-islands> - Medium

2. <https://leetcode.com/problems/minesweeper> - Medium
3. <https://leetcode.com/problems/flood-fill>
4. <https://leetcode.com/problems/is-graph-bipartite>
5. <https://leetcode.com/problems/coloring-a-border/>
6. <https://leetcode.com/problems/escape-a-large-maze/>
7. <https://leetcode.com/problems/check-if-there-is-a-valid-path-in-a-grid>
8. <https://leetcode.com/problems/course-schedule>
9. <https://leetcode.com/problems/course-schedule-ii>
10. <https://leetcode.com/problems/number-of-provinces>
11. <https://leetcode.com/problems/employee-importance/>
12. <https://leetcode.com/problems/accounts-merge/>
13. <https://leetcode.com/problems/swim-in-rising-water> - Hard (Priority Queue)
14. <https://leetcode.com/problems/snakes-and-ladders> - Medium
15. <https://leetcode.com/problems/shortest-bridge>
16. <https://leetcode.com/problems/rotting-oranges>
17. <https://leetcode.com/problems/detect-cycles-in-2d-grid>
18. <https://leetcode.com/problems/path-with-minimum-effort>
19. <https://leetcode.com/problems/nearest-exit-from-entrance-in-maze>
20. <https://leetcode.com/problems/detonate-the-maximum-bombs>

Trees

1. <https://leetcode.com/problems/binary-tree-inorder-traversal> - Easy
2. <https://leetcode.com/problems/unique-binary-search-trees>
3. <https://leetcode.com/problems/same-tree>
4. <https://leetcode.com/problems/validate-binary-search-tree>
5. <https://leetcode.com/problems/symmetric-tree>
6. <https://leetcode.com/problems/binary-tree-level-order-traversal>
7. <https://leetcode.com/problems/binary-tree-zigzag-level-order-traversal>
8. <https://leetcode.com/problems/maximum-depth-of-binary-tree>
9. <https://leetcode.com/problems/construct-binary-tree-from-preorder-and-inorder-traversal>
10. <https://leetcode.com/problems/construct-binary-tree-from-inorder-and-postorder-traversal>
11. <https://leetcode.com/problems/convert-sorted-array-to-binary-search-tree>
12. <https://leetcode.com/problems/balanced-binary-tree>
13. <https://leetcode.com/problems/path-sum>
14. <https://leetcode.com/problems/flatten-binary-tree-to-linked-list>
15. <https://leetcode.com/problems/sum-root-to-leaf-numbers>
16. <https://leetcode.com/problems/binary-tree-right-side-view>
17. <https://leetcode.com/problems/lowest-common-ancestor-of-a-binary-search-tree>
18. <https://leetcode.com/problems/sum-of-left-leaves>
19. <https://leetcode.com/problems/path-sum-iii>
20. <https://leetcode.com/problems/delete-node-in-a-bst>
21. <https://leetcode.com/problems/diameter-of-binary-tree>
22. <https://leetcode.com/problems/kth-smallest-element-in-a-bst>
23. <https://leetcode.com/problems/inorder-successor-in-bst>

Backtracking Problems

1. <https://leetcode.com/problems/next-permutation> - Medium
2. <https://leetcode.com/problems/combination-sum-ii> - Medium
3. <https://leetcode.com/problems/permutations> - Medium
4. <https://leetcode.com/problems/permutations-ii> - Medium
5. <https://leetcode.com/problems/combinations> - Medium
6. <https://leetcode.com/problems/subsets> - Medium
7. <https://leetcode.com/problems/n-queens> - Hard
8. <https://leetcode.com/problems/gray-code> - Hard

Queue/Deque

1. <https://leetcode.com/problems/sliding-window-maximum> - Hard
2. <https://leetcode.com/problems/implement-queue-using-stacks> - Easy

Bitwise Operators

1. <https://leetcode.com/problems/maximum-xor-of-two-numbers-in-an-array>