

# Salma DSA List

## Arrays

<https://leetcode.com/problems/two-sum/>

<https://leetcode.com/problems/3sum/>

<https://leetcode.com/problems/contains-duplicate>

<https://leetcode.com/problems/merge-intervals/>

<https://leetcode.com/problems/kth-largest-element-in-an-array/>

<https://leetcode.com/problems/maximum-subarray/>

<https://leetcode.com/problems/maximum-product-subarray/>

<https://leetcode.com/problems/best-time-to-buy-and-sell-stock>

<https://leetcode.com/problems/container-with-most-water/>

<https://leetcode.com/problems/trapping-rain-water/>

<https://leetcode.com/problems/subarray-sum-equals-k>

<https://leetcode.com/problems/minimum-size-subarray-sum/>

<https://leetcode.com/problems/median-of-two-sorted-arrays>

<https://leetcode.com/problems/sort-colors/>

<https://leetcode.com/problems/majority-element/>

<https://leetcode.com/problems/longest-consecutive-sequence>

<https://leetcode.com/problems/longest-substring-without-repeating-characters>

<https://leetcode.com/problems/minimum-window-substring>

<https://leetcode.com/problems/permutation-in-string/>

## 2D Arrays

<https://leetcode.com/problems/search-a-2d-matrix/>

<https://leetcode.com/problems/rotate-image/>

<https://leetcode.com/problems/set-matrix-zeroes/>

<https://leetcode.com/problems/valid-sudoku>

## Stack and Queues

<https://leetcode.com/problems/implement-queue-using-stacks>

<https://leetcode.com/problems/implement-stack-using-queues>

<https://leetcode.com/problems/valid-parentheses>

<https://leetcode.com/problems/daily-temperatures/>

<https://leetcode.com/problems/implement-queue-using-stacks>

<https://leetcode.com/problems/longest-valid-parentheses>

<https://leetcode.com/problems/largest-rectangle-in-histogram>

<https://leetcode.com/problems/maximal-rectangle>

<https://leetcode.com/problems/min-stack/>

<https://leetcode.com/problems/trapping-rain-water>

<https://leetcode.com/problems/remove-k-digits>

<https://leetcode.com/problems/sliding-window-maximum/>

## String

<https://leetcode.com/problems/longest-palindromic-substring/>

<https://leetcode.com/problems/longest-substring-without-repeating-characters>

<https://leetcode.com/problems/longest-common-prefix/>

<https://leetcode.com/problems/minimum-window-substring/>

<https://leetcode.com/problems/valid-anagram/>

<https://leetcode.com/problems/regular-expression-matching/>

<https://leetcode.com/problems/largest-number/>

## Greedy

<https://leetcode.com/problems/minimum-number-of-arrows-to-burst-balloons>

<https://leetcode.com/problems/best-time-to-buy-and-sell-stock-ii/>

<https://leetcode.com/problems/jump-game-ii/>

<https://leetcode.com/problems/candy/>

## Recursion and Backtracking

<https://leetcode.com/problems/combination-sum/>

<https://leetcode.com/problems/combination-sum-ii/>

<https://leetcode.com/problems/letter-combinations-of-a-phone-number/>

<https://leetcode.com/problems/generate-parentheses/>

<https://leetcode.com/problems/sudoku-solver>

<https://leetcode.com/problems/permutations/>

<https://leetcode.com/problems/permutations-ii/>

<https://leetcode.com/problems/n-queens/>

<https://leetcode.com/problems/n-queens-ii/>

<https://leetcode.com/problems/subsets>

<https://leetcode.com/problems/next-permutation>

<https://leetcode.com/problems/permutation-sequence/>

<https://leetcode.com/problems/combinations/>

## Linked List

<https://leetcode.com/problems/reverse-linked-list> (Both Iterative/ Recursive)

<https://leetcode.com/problems/reverse-nodes-in-k-group>

<https://leetcode.com/problems/linked-list-cycle/>

<https://leetcode.com/problems/merge-two-sorted-lists>

<https://leetcode.com/problems/merge-k-sorted-lists>

<https://leetcode.com/problems/linked-list-cycle/>

<https://leetcode.com/problems/middle-of-the-linked-list>

<https://leetcode.com/problems/delete-the-middle-node-of-a-linked-list>

<https://leetcode.com/problems/intersection-of-two-linked-lists/>

<https://leetcode.com/problems/sort-list/>

<https://leetcode.com/problems/copy-list-with-random-pointer/>

<https://leetcode.com/problems/lru-cache>

## Heap

<https://leetcode.com/problems/kth-largest-element-in-an-array>

<https://leetcode.com/problems/find-median-from-data-stream>

<https://leetcode.com/problems/top-k-frequent-elements>

<https://leetcode.com/problems/top-k-frequent-words>

<https://leetcode.com/problems/k-closest-points-to-origin/>

## Binary Trees

<https://leetcode.com/problems/binary-tree-inorder-traversal/>

<https://leetcode.com/problems/binary-tree-level-order-traversal>

<https://leetcode.com/problems/diameter-of-binary-tree>

<https://leetcode.com/problems/maximum-depth-of-binary-tree>

<https://leetcode.com/problems/invert-binary-tree/>

<https://leetcode.com/problems/same-tree/>

<https://leetcode.com/problems/binary-tree-right-side-view/>

<https://leetcode.com/problems/construct-binary-tree-from-preorder-and-inorder-traversal/>

<https://leetcode.com/problems/flatten-binary-tree-to-linked-list/>

<https://leetcode.com/problems/path-sum-iii/>

<https://leetcode.com/problems/lowest-common-ancestor-of-a-binary-tree/>

<https://leetcode.com/problems/all-nodes-distance-k-in-binary-tree/>

<https://leetcode.com/problems/serialize-and-deserialize-binary-tree/>

## Binary Search Trees

<https://leetcode.com/problems/delete-node-in-a-bst/>

<https://leetcode.com/problems/validate-binary-search-tree/>

[https://leetcode.com/problems/lowest-common-ancestor-of-a-binary-search-tree](https://leetcode.com/problems/lowest-common-ancestor-of-a-binary-search-tree/)

[https://leetcode.com/problems/convert-sorted-array-to-binary-search-tree](https://leetcode.com/problems/convert-sorted-array-to-binary-search-tree/)

<https://leetcode.com/problems/kth-smallest-element-in-a-bst/>

## Trie

<https://leetcode.com/problems/implement-trie-prefix-tree/>

<https://leetcode.com/problems/design-add-and-search-words-data-structure/>

## Dynamic Programming

<https://leetcode.com/problems/coin-change/>

<https://leetcode.com/problems/target-sum/>

<https://leetcode.com/problems/climbing-stairs>

<https://leetcode.com/problems/maximum-subarray>

<https://leetcode.com/problems/edit-distance/>

<https://leetcode.com/problems/partition-equal-subset-sum/>

<https://leetcode.com/problems/word-break>

<https://leetcode.com/problems/word-break-ii/>

<https://leetcode.com/problems/combination-sum-iv>

<https://leetcode.com/problems/maximum-profit-in-job-scheduling/>

<https://leetcode.com/problems/minimum-cost-to-cut-a-stick/>

<https://leetcode.com/problems/house-robber/>

<https://leetcode.com/problems/longest-increasing-subsequence>

<https://leetcode.com/problems/partition-equal-subset-sum/>

<https://leetcode.com/problems/decode-ways/>

<https://leetcode.com/problems/maximal-square/>

<https://leetcode.com/problems/jump-game>

## Graph

<https://leetcode.com/problems/flood-fill>

<https://leetcode.com/problems/clone-graph/>

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

<https://leetcode.com/problems/rotting-oranges>

<https://leetcode.com/problems/word-search/>

<https://leetcode.com/problems/course-schedule>

<https://leetcode.com/problems/course-schedule-ii>

<https://leetcode.com/problems/possible-bipartition/>

<https://leetcode.com/problems/cheapest-flights-within-k-stops/>

<https://leetcode.com/problems/bus-routes/>

<https://leetcode.com/problems/word-search-ii/>

<https://leetcode.com/problems/water-and-jug-problem>

## Bits

<https://leetcode.com/problems/single-number/>

<https://leetcode.com/problems/single-number-ii/>

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

<https://leetcode.com/problems/bitwise-and-of-numbers-range/>

<https://leetcode.com/problems/counting-bits>

<https://leetcode.com/problems/hamming-distance>

[/ https://leetcode.com/problems/power-of-two/](https://leetcode.com/problems/power-of-two/)

<https://leetcode.com/problems/reverse-bits/>