**Data Structures Related Practice Questions | Batch 03**

**Note:** No need to solve every question. No need to take help, if you can’t solve then try more/ignore, you don’t need to solve these questions by taking help. Don’t post on our facebook group or join support sessions related to these practice questions.

**Linked List:**

1. [Reverse Linked List - LeetCode](https://leetcode.com/problems/reverse-linked-list/)
2. [Design Browser History - LeetCode](https://leetcode.com/problems/design-browser-history/)
3. [Delete Node in a Linked List - LeetCode](https://leetcode.com/problems/delete-node-in-a-linked-list/)
4. [Swapping Nodes in a Linked List - LeetCode](https://leetcode.com/problems/swapping-nodes-in-a-linked-list/)
5. [Design Linked List - LeetCode](https://leetcode.com/problems/design-linked-list/)
6. [Remove duplicates from a sorted Doubly Linked List - Coding Ninjas](https://www.codingninjas.com/studio/problems/unique-sorted-list_2420283)
7. [Binary Linked List To Integer - Coding Ninjas](https://www.codingninjas.com/studio/problems/binary-to-integer_2421938)
8. [Remove All Nodes with Value K - Coding Ninjas](https://www.codingninjas.com/studio/problems/remove-all-nodes-with-value-k_1262145)

**Stack & Queue:**

1. [Baseball Game - LeetCode](https://leetcode.com/problems/baseball-game/)
2. [Number of Students Unable to Eat Lunch - LeetCode](https://leetcode.com/problems/number-of-students-unable-to-eat-lunch/)
3. [Make The String Great - LeetCode](https://leetcode.com/problems/make-the-string-great/)
4. [Backspace String Compare - LeetCode](https://leetcode.com/problems/backspace-string-compare/)
5. [Valid Parentheses - LeetCode](https://leetcode.com/problems/valid-parentheses/)
6. [Number of Recent Calls - LeetCode](https://leetcode.com/problems/number-of-recent-calls/)
7. [Time Needed to Buy Tickets - LeetCode](https://leetcode.com/problems/time-needed-to-buy-tickets/)
8. [First Unique Character in a String - LeetCode](https://leetcode.com/problems/first-unique-character-in-a-string/)
9. [Redundant Brackets - Coding Ninjas](https://www.codingninjas.com/studio/problems/redundant-brackets_975473)?
10. [Minimum Cost To Make String Valid - Coding Ninjas](https://www.codingninjas.com/studio/problems/minimum-cost-to-make-string-valid_1115770)
11. [Sweets and Ants - Coding Ninjas](https://www.codingninjas.com/studio/problems/sweets-and-ants_2656185)
12. [Sum Of Three Stacks - Coding Ninjas](https://www.codingninjas.com/studio/problems/sum-of-three-stacks_981318)
13. [Reversing Queue - Coding Ninjas](https://www.codingninjas.com/studio/problems/reversing-queue_1170046)

**Binary Tree:**

1. [Sum of Root To Leaf Binary Numbers - LeetCode](https://leetcode.com/problems/sum-of-root-to-leaf-binary-numbers/)
2. [Average of Levels in Binary Tree - LeetCode](https://leetcode.com/problems/average-of-levels-in-binary-tree/)
3. [Leaf-Similar Trees - LeetCode](https://leetcode.com/problems/leaf-similar-trees/)
4. [Construct String from Binary Tree - LeetCode](https://leetcode.com/problems/construct-string-from-binary-tree/)
5. [Cousins in Binary Tree - LeetCode](https://leetcode.com/problems/cousins-in-binary-tree/)
6. [Symmetric Tree - LeetCode](https://leetcode.com/problems/symmetric-tree/)
7. [Balanced Binary Tree - LeetCode](https://leetcode.com/problems/balanced-binary-tree/)
8. [Path Sum - LeetCode](https://leetcode.com/problems/path-sum/)
9. [Left View Of a Binary Tree - Coding Ninjas](https://www.codingninjas.com/studio/problems/left-view-of-a-binary-tree_920519)
10. [Convert Sorted Array to BST - Coding Ninjas](https://www.codingninjas.com/studio/problems/convert-sorted-array-to-bst_1264995)

**BST:**

1. [Kth Smallest Element in a BST - LeetCode](https://leetcode.com/problems/kth-smallest-element-in-a-bst/)
2. [Insert into a Binary Search Tree - LeetCode](https://leetcode.com/problems/insert-into-a-binary-search-tree/)
3. [All Elements in Two Binary Search Trees - LeetCode](https://leetcode.com/problems/all-elements-in-two-binary-search-trees/)
4. [Find Mode in Binary Search Tree - LeetCode](https://leetcode.com/problems/find-mode-in-binary-search-tree/)
5. [Minimum Absolute Difference in BST - LeetCode](https://leetcode.com/problems/minimum-absolute-difference-in-bst/)
6. [Convert Sorted Array to Binary Search Tree - LeetCode](https://leetcode.com/problems/convert-sorted-array-to-binary-search-tree/)
7. [Search in a Binary Search Tree - LeetCode](https://leetcode.com/problems/search-in-a-binary-search-tree/)
8. [Size of Largest BST in Binary Tree - Coding Ninjas](https://www.codingninjas.com/studio/problems/largest-bst-subtree_893103)
9. [Ceil from BST - Coding Ninjas](https://www.codingninjas.com/studio/problems/ceil-from-bst_920464)
10. [Guess Price - Coding Ninjas](https://www.codingninjas.com/studio/problems/guess-price_3211264)
11. [Construct BST from Level Order - Coding Ninjas](https://www.codingninjas.com/studio/problems/construct-bst-from-level-order_920774)
12. [Validate BST - Coding Ninjas](https://www.codingninjas.com/studio/problems/validate-bst_981275)

**Heap:**

1. [Implement a priority queue - Coding Ninjas](https://www.codingninjas.com/studio/problems/implement-a-priority-queue-using-heap-and-also-implement-getmaxelement-in-the-queue_1743878)
2. [Day 29 : K Max Sum Combinations - Coding Ninjas](https://www.codingninjas.com/studio/problems/k-max-sum-combinations_975322)
3. [Day 27 : Magician and Chocolates - Coding Ninjas](https://www.codingninjas.com/studio/problems/magician-and-chocolates_920437)
4. [Kth Largest Element in an Array - LeetCode](https://leetcode.com/problems/kth-largest-element-in-an-array/)
5. [Find K Closest Elements - LeetCode](https://leetcode.com/problems/find-k-closest-elements/)
6. [Maximum Product of Two Elements in an Array - LeetCode](https://leetcode.com/problems/maximum-product-of-two-elements-in-an-array/)
7. [Make Array Zero by Subtracting Equal Amounts - LeetCode](https://leetcode.com/problems/make-array-zero-by-subtracting-equal-amounts/)
8. [Take Gifts From the Richest Pile - LeetCode](https://leetcode.com/problems/take-gifts-from-the-richest-pile/)
9. [Last Stone Weight - LeetCode](https://leetcode.com/problems/last-stone-weight/)
10. [Relative Ranks - LeetCode](https://leetcode.com/problems/relative-ranks/)