TREES SDE SHEET
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DISCLAIMER - The problems have been sorted based on relevance and difficulty. Similar problems are grouped together.

Binary Trees

1. https://leetcode.com/problems/maximum-depth-of-binary-tree/
2. https://leetcode.com/problems/invert-binary-tree/
3. https://leetcode.com/problems/symmetric-tree/

4. https://leetcode.com/problems/binary-tree-preorder-traversal/
5. https://leetcode.com/problems/binary-tree-inorder-traversal/
6. https://leetcode.com/problems/binary-tree-postorder-traversal/
7. https://leetcode.com/problems/construct-binary-tree-from-preorder-and-inorder-traversal/
8. https://leetcode.com/problems/construct-binary-tree-from-inorder-and-postorder-traversal/

9. https://leetcode.com/problems/sum-root-to-leaf-numbers/
10. https://leetcode.com/problems/cousins-in-binary-tree/
11. https://leetcode.com/problems/serialize-and-deserialize-binary-tree/
12. https://leetcode.com/problems/merge-two-binary-trees/
13. https://leetcode.com/problems/find-duplicate-subtrees/
14. https://www.geeksforgeeks.org/find-maximum-or-minimum-in-binary-tree/

15. https://leetcode.com/problems/vertical-order-traversal-of-a-binary-tree/ (VVI)
16. https://www.geeksforgeeks.org/print-left-view-binary-tree/
17. https://practice.geeksforgeeks.org/problems/right-view-of-binary-tree/1
18. https://practice.geeksforgeeks.org/problems/top-view-of-binary-tree/1
19. https://www.geeksforgeeks.org/bottom-view-binary-tree/
20. https://leetcode.com/problems/binary-tree-zigzag-level-order-traversal/ (VVI)
21. https://practice.geeksforgeeks.org/problems/boundary-traversal-of-binary-tree/1 (VVI)

22. https://leetcode.com/problems/diameter-of-binary-tree/ (VVI)
23. https://leetcode.com/problems/balanced-binary-tree/
24. https://leetcode.com/problems/same-tree/
25. https://leetcode.com/problems/lowest-common-ancestor-of-a-binary-tree/ (VVVI)
26. https://leetcode.com/problems/binary-tree-maximum-path-sum/ (VVI)
27. https://leetcode.com/problems/flatten-binary-tree-to-linked-list/
28. https://leetcode.com/problems/populating-next-right-pointers-in-each-node/

Binary Search Trees

N.B - Always remember the very important property of BST. It is sorted in it's inorder form.

Also all Binary Trees are NOT Binary Search Trees , but the reverse is true.

1. https://leetcode.com/problems/validate-binary-search-tree/
2. https://leetcode.com/problems/convert-sorted-array-to-binary-search-tree/ (Important for Concept Building)
3. https://www.geeksforgeeks.org/flatten-bst-to-sorted-list-increasing-order/
4. https://leetcode.com/problems/search-in-a-binary-search-tree/
5. https://www.geeksforgeeks.org/check-if-a-given-array-can-represent-preorder-traversal-of-binary-search-tree/

6. https://leetcode.com/problems/range-sum-of-bst/
7. https://leetcode.com/problems/kth-smallest-element-in-a-bst/
8. https://www.geeksforgeeks.org/remove-bst-keys-outside-the-given-range/
9. https://leetcode.com/problems/two-sum-iv-input-is-a-bst/

10. https://leetcode.com/problems/delete-node-in-a-bst/
11. https://leetcode.com/problems/serialize-and-deserialize-bst/
12. https://www.geeksforgeeks.org/convert-given-binary-tree-doubly-linked-list-set-3/
13. https://leetcode.com/problems/all-nodes-distance-k-in-binary-tree/
14. https://leetcode.com/problems/lowest-common-ancestor-of-a-binary-search-tree/

15. https://www.geeksforgeeks.org/inorder-successor-in-binary-search-tree/
16. https://www.geeksforgeeks.org/floor-and-ceil-from-a-bst/
17. https://www.geeksforgeeks.org/find-a-pair-with-given-sum-in-bst/
18. https://leetcode.com/problems/recover-binary-search-tree/

N-Ary Trees

1. https://www.geeksforgeeks.org/next-larger-element-n-ary-tree/
2. https://www.geeksforgeeks.org/second-largest-element-n-ary-tree/
3. https://www.hackerearth.com/practice/algorithms/graphs/depth-first-search/practice-problems/algorithm/comrades-i-3/
4. https://www.geeksforgeeks.org/serialize-deserialize-n-ary-tree/