

How To Master Trees In Data Structures And Algorithms

- PreRequisites
 - Basic Recursion
 - Linked List
 - Stacks
 - Queues
- Binary Tree
 - Taking Input
 - Using Stack
 - Using Queue
 - Binary Tree Traversals
 - PreOrder
 - PostOrder
 - Inorder
 - Level Order
 - Interesting Questions
 - Boundary Traversal
 - <https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118521/offering/1380976>
 - Zigzag Traversal
 - <https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118521/offering/1380983>
 - Basic Problems
 - Height of Binary Tree
 - <https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118521/offering/1381013>
 - Diameter Of Binary Tree
 - <https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118521/offering/1381015>
 - Replace Node With Depth
 - <https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118521/offering/1381523>
 - LCA Of Binary Tree
 - https://www.codingninjas.com/codestudio/problems/lca-of-binary-tree_920541
 - Construction Of Trees
 - Binary Tree From PreOrder And InOrder

- <https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118521/offering/1380993>
- Binary Tree From Parent Array
 - <https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118521/offering/1380997>
- Tree Views
 - Top View
 - <https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118521/offering/1381006>
 - Left View
 - <https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118521/offering/1381007>
 - Right View
 - <https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118521/offering/1381008>
 - Bottom View
 - <https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118521/offering/1381009>
- Practice Link Overall
 - <https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118521/offering/1381523>
- Binary Search Tree
 - Search, Insert And Delete in BST
 - <https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118512/offering/1377942>
 - Construction Of BST
 - Construct BST From LevelOrder
 - <https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118512/offering/1381317>
 - Construct BST From Keys 1 to N
 - <https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118512/offering/1381319>
- ◎ Conversion Based Problems
 - Modification in BSTs
 - Merge Two BST
 - <https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118512/offering/1381327>
 - Fix BST

- <https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118512/offering/1381329>
- Standard Problems
 - LCA in BST
 - <https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118512/offering/1381331>
 - Pair Sum in BST
 - <https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118512/offering/1381334>
 - Kth Largest Number In BST
 - <https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118512/offering/1381335>
 - Practice Link Overall
 - <https://www.codingninjas.com/codestudio/guided-paths/data-structures-algorithms/content/118512/offering/1377942>
- Other Trees
 - Generic Trees or n-ary Tree
 - Taking Input
 - Using Stack
 - Using Queue
 - Height Of Generic Tree
 - Count Special Nodes In Generic Tree
 - https://www.codingninjas.com/codestudio/problems/count-special-nodes-in-generic-tree_630522
 - Range Query Based Problems - Competitive Programming
 - Segment Tree
 - Fenwick Tree
 - General Knowledge
 - Red Black Tree
 - AVL
 - B -Tree