Binary Tree:

1. Binary Tree Introduction
2. Binary Tree Properties
3. Types of Binary Tree
4. Handshaking Lemma and Interesting Tree Properties
5. Enumeration of Binary Tree
6. Applications of tree data structure
7. Tree Traversals
8. BFS vs DFS for Binary Tree
9. Level Order Tree Traversal
10. Print level order traversal line by line
11. Inorder Tree Traversal without Recursion
12. Inorder Tree Traversal without recursion and without stack!
13. Threaded Binary Tree
14. Size of a tree
15. Determine if Two Trees are Identical
16. Maximum Depth or Height of a Tree
17. Write a C program to Delete a Tree.
18. Write an Efficient C Function to Convert a Binary Tree into its Mirror Tree
19. If you are given two traversal sequences, can you construct the binary tree?
20. Given a binary tree, print out all of its root-to-leaf paths one per line.
21. The Great Tree-List Recursion Problem.
22. Count leaf nodes in a binary tree
23. Level order traversal in spiral form
24. Check for Children Sum Property in a Binary Tree.
25. Convert an arbitrary Binary Tree to a tree that holds Children Sum Property
26. Diameter of a Binary Tree
27. How to determine if a binary tree is height-balanced?
28. Root to leaf path sum equal to a given number

29. Construct Tree from given Inorder and Preorder traversals
30. Given a binary tree, print all root-to-leaf paths
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33. Foldable Binary Trees
34. Print nodes at k distance from root
35. Get Level of a node in a Binary Tree
36. Print Ancestors of a given node in Binary Tree
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38. Check if a binary tree is subtree of another binary tree
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40. Connect nodes at same level using constant extra space
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53. Ternary Search Tree
54. Largest Independent Set Problem
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56. Iterative Postorder Traversal | Set 2 (Using One Stack)
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61. Find all possible interpretations of an array of digits
62. Iterative Method to find Height of Binary Tree
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65. Print ancestors of a given binary tree node without recursion
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67. Print Postorder traversal from given Inorder and Preorder traversals
68. Find depth of the deepest odd level leaf node
69. Check if all leaves are at same level

70. Print Left View of a Binary Tree
71. Remove all nodes which don't lie in any path with sum>= k
72. Extract Leaves of a Binary Tree in a Doubly Linked List
73. Deepest left leaf node in a binary tree
74. Find next right node of a given key
75. Sum of all the numbers that are formed from root to leaf paths
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78. Find distance between two given keys of a Binary Tree
79. Print all nodes that are at distance k from a leaf node
80. Check if a given Binary Tree is height balanced like a Red-Black Tree,
81. Print all nodes at distance k from a given node
82. Print a Binary Tree in Vertical Order | Set 1
83. Construct a tree from Inorder and Level order traversals
84. Find the maximum path sum between two leaves of a binary tree
85. Reverse alternate levels of a perfect binary tree
86. Check if two nodes are cousins in a Binary Tree
87. Check if a binary tree is subtree of another binary tree | Set 2
88. Serialize and Deserialize a Binary Tree
89. Print nodes between two given level numbers of a binary tree
90. closest leaf in a Binary Tree
91. Convert a Binary Tree to Threaded binary tree
92. Print Nodes in Top View of Binary Tree
93. Bottom View of a Binary Tree
94. Perfect Binary Tree Specific Level Order Traversal
95. Convert left-right representation of a bianry tree to down-right
96. Minimum no. of iterations to pass information to all nodes in the tree
97. Clone a Binary Tree with Random Pointers
98. Given a binary tree, how do you remove all the half nodes?
99. Vertex Cover Problem | Set 2 (Dynamic Programming Solution for Tree)
100. Check whether a binary tree is a full binary tree or not
101. Find sum of all left leaves in a given Binary Tree
102. Remove nodes on root to leaf paths of length < K
103. Find Count of Single Valued Subtrees
104. Check if a given array can represent Preorder Traversal of Binary Search Tree
105. Mirror of n-ary Tree
106. Find multiplication of sums of data of leaves at sane levels
107. Succinct Encoding of Binary Tree
108. Construct Binary Tree from given Parent Array representation
109. Symmetric Tree (Mirror Image of itself)
110. Find Minimum Depth of a Binary Tree

111. Maximum Path Sum in a Binary Tree
112. Expression Tree
113. Check whether a binary tree is a complete tree or not | Set 2 (Recursive Solution)
114. Change a Binary Tree so that every node stores sum of all nodes in left subtree
115. Iterative Search for a key 'x' in Binary Tree
116. Find maximum (or minimum) in Binary Tree

Quiz on Binary Tree

Quiz on Binary Tree Traversals

Forum Questions on Tree

Data Structures

Ask a Question

Please write comments if you find anything incorrect, or you want to share more information about the topic discussed above

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indrajeet kumar • a month ago

@GeeksforGeeks , please correct the spelling for question #106 above. it should be "Find multiplication of sums of data of leaves at same levels" instead of "Find multiplication of sums of data of leaves at sane levels"...

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Abhilash • 3 months ago

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Paras Karandikar • 3 months ago

in the function for printing leaves, can the condition for checking the leaf node be written above left recursive call?

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Shreya Kataria • 3 months ago

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103, 118 - Iterative Search for a key 'x' in Binary Tree
104, 119 - Find maximum (or minimum) in Binary Tree
105, 114 - Maximum Path Sum in a Binary Tree

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105, 114 - Maximum Path Sum in a Binary Tree

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Please remove the repeated questions in the list:

103, 118 - Iterative Search for a key 'x' in Binary Tree
104, 119 - Find maximum (or minimum) in Binary Tree
105, 114 - Maximum Path Sum in a Binary Tree

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Solazy • 8 months ago

http://ideone.com/KPbscp, C++ solution using queues

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Thanks for pointing this out. We have corrected the link.

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