

Vertical Sum in a given Binary Tree

February 29, 2012

62 Comments | Filed under Trees

Given a Binary Tree, find vertical sum of the nodes that are in same vertical line. Print all sums through different vertical lines.

[Read More »](#)

AVL Tree | Set 1 (Insertion)

February 23, 2012

31 Comments | Filed under Trees

AVL tree is a self-balancing Binary Search Tree (BST) where the difference between heights of left and right subtrees cannot be more than one for all nodes.

[Read More »](#)

Find the largest BST subtree in a given Binary Tree

February 17, 2012

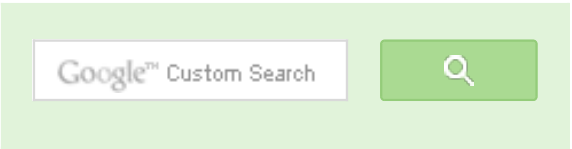
71 Comments | Filed under Trees

Given a Binary Tree, write a function that returns the size of the largest subtree which is also a Binary Search Tree (BST). If the complete Binary Tree is BST, then return the size of whole tree.

[Read More »](#)

Convert a given tree to its Sum Tree

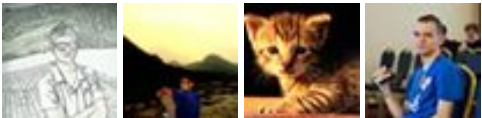
February 12, 2012



GeeksforGeeks



52,731 people like [GeeksforGeeks](#).



[Interview Experiences](#)

[Advanced Data Structures](#)

[Dynamic Programming](#)

[Greedy Algorithms](#)

[Backtracking](#)

[Pattern Searching](#)

[Divide & Conquer](#)

[Mathematical Algorithms](#)

[Recursion](#)

[Geometric Algorithms](#)

[24 Comments](#) | Filed under [Trees](#)

Given a Binary Tree where each node has positive and negative values. Convert this to a tree where each node contains the sum of the left and right sub trees in the original tree. The values of leaf nodes are changed to 0.

[Read More »](#)

Populate Inorder Successor for all nodes

January 26, 2012

[25 Comments](#) | Filed under [Trees](#)

Given a Binary Tree where each node has following structure, write a function to populate next pointer for all nodes.

[Read More »](#)

Sorted Array to Balanced BST

January 18, 2012

[18 Comments](#) | Filed under [Trees](#)

Given a sorted array. Write a function that creates a Balanced Binary Search Tree using array elements.

[Read More »](#)

Connect nodes at same level using constant extra space

January 12, 2012

[48 Comments](#) | Filed under [Trees](#)

Write a function to connect all the adjacent nodes at the same level in a binary tree. Structure of the given Binary Tree node is like following.

[Read More »](#)

Connect nodes at same level

January 11, 2012

[Geometric Algorithms](#)



Popular Posts

[All permutations of a given string](#)

[Memory Layout of C Programs](#)

[Understanding “extern” keyword in C](#)

[Median of two sorted arrays](#)

[Tree traversal without recursion and without stack!](#)

[Structure Member Alignment, Padding and Data Packing](#)

[Intersection point of two Linked Lists](#)

[Lowest Common Ancestor in a BST.](#)

[Check if a binary tree is BST or not](#)

[Sorted Linked List to Balanced BST](#)

[43 Comments](#) | Filed under [Trees](#)

Write a function to connect all the adjacent nodes at the same level in a binary tree. Structure of the given Binary Tree node is like following.

[Read More »](#)

Trie | (Delete)

November 30, 2011

[11 Comments](#) | Filed under [Trees](#)

In the previous post on trie we have described how to insert and search a node in trie. Here is an algorithm how to delete a node from trie.

[Read More »](#)

Trie | (Insert and Search)

October 5, 2011

[49 Comments](#) | Filed under [Trees](#)

Trie is an efficient information retrieval data structure. Using trie, search complexities can be brought to optimal limit (key length).

[Read More »](#)

Check if a binary tree is subtree of another binary tree

August 15, 2011

[83 Comments](#) | Filed under [Trees](#)

Given two binary trees, check if the first tree is subtree of the second one.

[Read More »](#)

Decision Trees – Fake (Counterfeit) Coin Puzzle (12 Coin Puzzle)

July 30, 2011



Let us solve the classic “fake coin” puzzle using decision trees.

[Read More »](#)

Check if a given Binary Tree is SumTree

May 4, 2011

47 Comments | Filed under [Trees](#)

Write a function that returns true if the given Binary Tree is SumTree else false. A SumTree is a Binary Tree where the value of a node is equal to sum of the nodes present in its left subtree and right subtree.

[Read More »](#)

Tournament Tree (Winner Tree) and Binary Heap

March 23, 2011

23 Comments | Filed under [Trees](#)

Given a team of N players. How many minimum games are required to find second best player?

[Read More »](#)



Recent Comments

affiszerv Your example has two 4s on row 3, that's why it...

[Backtracking | Set 7 \(Sudoku\)](#) · 39 minutes ago

RVM Can someone please elaborate this Qs from above...

[Flipkart Interview | Set 6](#) · 58 minutes ago

Vishal Gupta I talked about as an Interviewer in general,...

[Software Engineering Lab, Samsung Interview | Set 2](#) · 59 minutes ago

@meya Working solution for question 2 of 4f2f round....

[Amazon Interview | Set 53 \(For SDE-1\)](#) · 1 hour ago
sandeep void rearrange(struct node *head)
{...

[Given a linked list, reverse alternate nodes and append at the end](#) · 3 hours ago

Neha I think that is what it should return as, in



Better Than Hadoop.

HPCC Systems is Big Data Processing and Analytics
Open Source. Proven. Trusted.


 LexisNexis®

Learn More 

00...

Find depth of the deepest odd level leaf node · 3


hours ago

AdChoices 

► [Tree Diagram](#)

► [Binary Tree](#)


► [Java Tree](#)

AdChoices 

► [Tree Trees](#)

► [Tree Balancing](#)

► [Red Black Tree](#)

AdChoices 

► [Decision Tree](#)

► [Tree Structure](#)

► [In the Tree](#)

@geeksforgeeks, **Some rights reserved**

Contact Us!

Powered by **WordPress** & **MooTools**, customized by geeksforgeeks team