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#### Print BST keys in the given range

27 Comments | Filed under Trees

Given two values k1 and k2 (where k1 < k2) and a root pointer to a Binary Search Tree. Print all the keys of tree in range k1 to k2. i.e. print all x such that k1

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## Print Ancestors of a given node in Binary Tree

23 Comments | Filed under Trees

Given a Binary Tree and a key, write a function that prints all the ancestors of the key in the given binary tree.

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#### Get Level of a node in a Binary Tree

39 Comments | Filed under Trees

Given a Binary Tree and a key, write a function that returns level of the key. For example, consider the following tree. If the input key is 3, then your function should return 1.

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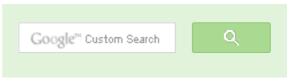
Find k-th smallest element in BST (Order Statistics in

February 15, 2011

February 27, 2011

March 3, 2011

March 1, 2011





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#### Interview Experiences

Advanced Data Structures

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BST)

79 Comments | Filed under Trees

Given root of binary search tree and K as input, find K-th smallest element in BST.

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#### Inorder Successor in Binary Search Tree

February 11, 2011

73 Comments | Filed under Trees

In Binary Tree, Inorder successor of a node is the next node in Inorder traversal of the Binary Tree. Inorder Successor is NULL for the last node in Inoorder traversal.

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### Applications of tree data structure

February 7, 2011

6 Comments | Filed under Trees

Difficulty Level: Rookie Why Tree? Unlike Array and Linked List, which are linear data structures, tree is hierarchical (or non-linear) data structure.

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#### Sorted order printing of a given array that represents a December 13, 2010 **BST**

26 Comments | Filed under Trees

Given an array that stores a complete Binary Search Tree, write a function that efficiently prints the given array in ascending order.

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Lowest Common Ancestor in a BST.

Check if a binary tree is BST or not

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#### Print nodes at k distance from root

September 16, 2010

29 Comments | Filed under Trees

Given a root of a tree, and an integer k. Print all the nodes which are at k distance from root.

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#### Foldable Binary Trees

June 16, 2010

24 Comments | Filed under Trees

Question: Given a binary tree, find out if the tree can be folded or not. A tree can be folded if left and right subtrees of the tree are structure wise mirror image of each other. An empty tree is considered as foldable.

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## Total number of possible Binary Search Trees with n keys

12 Comments | Filed under Trees

Total number of possible Binary Search Trees with n different keys = Catalan number Cn = (2n)!/(n+1)!\*n!

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#### Maximum width of a binary tree

May 15, 2010

May 26, 2010

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Given a binary tree, write a function to get the maximum width of the given tree. Width of a tree is maximum of widths of all levels.

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Double Tree

April 30, 2010





17 Comments | Filed under Trees

Write a program that converts a given tree to its Double tree. To create Double tree of the given tree, create a new duplicate for each node, and insert the duplicate as the left child of the original node.

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### Given a binary tree, print all root-to-leaf paths

April 18, 2010

40 Comments | Filed under Trees

For the below example tree, all root-to-leaf paths are:

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# Construct Tree from given Inorder and Preorder traversals

April 16, 2010

54 Comments | Filed under Trees

Let us consider the below traversals: Inorder sequence: D B E A F C Preorder sequence: A B D E C F

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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  $\cdot$  3 hours ago

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

Find depth of the deepest odd level leaf node  $\cdot$  3 hours ago



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