Print BST keys in the given range

March 3, 2011

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

March 1, 2011

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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

February 27, 2011

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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

BST)

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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

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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 BST

December 13, 2010

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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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June 16, 2010

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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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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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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

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April 16, 2010

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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...

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

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