

Red-Black Tree | Set 1 (Introduction)

February 4, 2014

9 Comments | Filed under [Trees](#)

Red-Black Tree is a self-balancing Binary Search Tree (BST) where every node follows following rules.

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Sum of all the numbers that are formed from root to leaf paths

January 21, 2014

18 Comments | Filed under [Trees](#)

Given a binary tree, where every node value is a Digit from 1-9 .Find the sum of all the numbers which are formed from root to leaf paths.

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Splay Tree | Set 2 (Insert)

January 16, 2014

3 Comments | Filed under [Trees](#)

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Splay Tree | Set 1 (Search)

January 14, 2014

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The worst case time complexity of Binary Search Tree (BST) operations like search, delete, insert is $O(n)$. The worst case occurs when the tree is skewed. We can get the worst case time complexity as $O(\log n)$ with AVL and Red-Black Trees.

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Find next right node of a given key

December 18, 2013

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Given a Binary tree and a key in the binary tree, find the node right to the given key. If there is no node on right side, then return NULL.

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Deepest left leaf node in a binary tree

December 1, 2013

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

Given a Binary Tree, find the deepest leaf node that is left child of its parent. For example, consider the following tree. The deepest left leaf node is the node with value 9.

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Extract Leaves of a Binary Tree in a Doubly Linked List

October 4, 2013

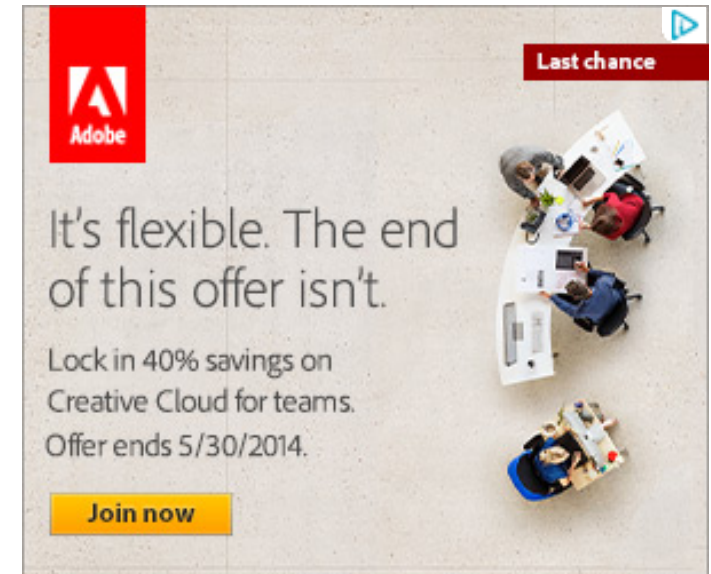
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Given a Binary Tree, extract all leaves of it in a Doubly Linked List (DLL).

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Remove all nodes which don't lie in any path with $\text{sum} \geq k$

September 24, 2013



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Given a binary tree, a complete path is defined as a path from root to a leaf. The sum of all nodes on that path is defined as the sum of that path.

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Add all greater values to every node in a given BST

September 12, 2013

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Given a Binary Search Tree (BST), modify it so that all greater values in the given BST are added to every node. For example, consider the following BST.

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B-Tree | Set 3 (Delete)

September 3, 2013

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

It is recommended to refer following posts as prerequisite of this post. B-Tree | Set 1 (Introduction) B-Tree | Set 2 (Insert)

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Print Left View of a Binary Tree

August 30, 2013

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Given a Binary Tree, print left view of it. Left view of a Binary Tree is set of nodes visible when tree is visited from left side. Left view of following tree is 12, 10, 25.

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Check if all leaves are at same level

August 27, 2013



Given a Binary Tree, check if all leaves are at same level or not.

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Find depth of the deepest odd level leaf node

August 24, 2013

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Write a C code to get the depth of the deepest odd level leaf node in a binary tree. Consider that level starts with 1.

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Print Postorder traversal from given Inorder and Preorder traversals

August 22, 2013

18 Comments | Filed under [Trees](#)

Given Inorder and Preorder traversals of a binary tree, print Postorder traversal.

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



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