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Print a Binary Tree in Vertical Order | Set 2 (Hashmap based Method)

April 11, 2014

12 Comments | Filed under Trees

Given a binary tree, print it vertically. The following example illustrates vertical order traversal.

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Print Right View of a Binary Tree

April 5, 2014

16 Comments | Filed under Trees

Given a Binary Tree, print Right view of it. Right view of a Binary Tree is set of nodes visible when tree is visited from Right side.

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Red-Black Tree | Set 3 (Delete)

April 1, 2014

1 Comment | Filed under Trees

We have discussed following topics on Red-Black tree in previous posts. We strongly recommend to refer following post as prerequisite of this post.

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Construct a tree from Inorder and Level order

March 31, 2014

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traversals

18 Comments | Filed under [Trees](#)

Given inorder and level-order traversals of a Binary Tree, construct the Binary Tree. Following is an example to illustrate the problem.

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Print all nodes at distance k from a given node

March 25, 2014

14 Comments | Filed under [Trees](#)

Given a binary tree, a target node in the binary tree, and an integer value k, print all the nodes that are at distance k from the given target node. No parent pointers are available.

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Print a Binary Tree in Vertical Order | Set 1

March 20, 2014

9 Comments | Filed under [Trees](#)

Given a binary tree, print it vertically. The following example illustrates vertical order traversal.

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Interval Tree

March 19, 2014

7 Comments | Filed under [Trees](#)

Consider a situation where we have a set of intervals and we need following operations to be implemented efficiently.

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Check if a given Binary Tree is height balanced like a

February 27, 2014



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Red-Black Tree

6 Comments | Filed under [Trees](#)

In a Red-Black Tree, the maximum height of a node is at most twice the minimum height

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Print all nodes that are at distance k from a leaf node

February 25, 2014

73 Comments | Filed under [Trees](#)

Given a Binary Tree and a positive integer k, print all nodes that are distance k from a leaf node.

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Find distance between two given keys of a Binary Tree

February 23, 2014

21 Comments | Filed under [Trees](#)

Find the distance between two keys in a binary tree, no parent pointers are given.

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Lowest Common Ancestor in a Binary Tree | Set 1

February 22, 2014

18 Comments | Filed under [Trees](#)

Given a binary tree (not a binary search tree) and two values say n1 and n2, write a program to find the least common ancestor.

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Print all nodes that don't have sibling

February 20, 2014

15 Comments | Filed under [Trees](#)

Given a Binary Tree, print all nodes that don't have a sibling (a sibling is a node that has same



parent. In a Binary Tree, there can be at most one sibling).

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Convert a given Binary Tree to Doubly Linked List | Set 3

February 17, 2014

14 Comments | Filed under [Trees](#)

Given a Binary Tree (BT), convert it to a Doubly Linked List(DLL) In-Place. The left and right pointers in nodes are to be used as previous and next pointers respectively in converted DLL.

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Red-Black Tree | Set 2 (Insert)

February 16, 2014

6 Comments | Filed under [Trees](#)

In the previous post, we discussed introduction to Red-Black Trees. In this post, insertion is discussed.

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



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