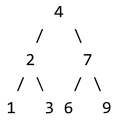


226. Invert Binary Tree ★

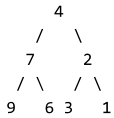
[Question](#)[Editorial Solution](#)[My Submissions \(/problems/invert-binary-tree/submissions/\)](#)

Total Accepted: **130053** Total Submissions: **266287** Difficulty: **Easy** Contributors: **Admin**

Invert a binary tree.

[Notes](#)

to



Trivia:

This problem was inspired by this original tweet (<https://twitter.com/mxcl/status/608682016205344768>) by Max Howell (<https://twitter.com/mxcl>):

Google: 90% of our engineers use the software you wrote (Homebrew), but you can't invert a binary tree on a whiteboard so fuck off.

[Subscribe \(/subscribe/\)](/subscribe/) to see which companies asked this question

[Show Tags](#)

Have you met this question in a real interview?

[Discuss \(https://leetcode.com/discuss/questions/oj/invert-binary-tree\)](https://leetcode.com/discuss/questions/oj/invert-binary-tree)[Pick One \(/problems/random-one-question/\)](/problems/random-one-question/)

C++



```
1 /**
2  * Definition for a binary tree node.
3  * struct TreeNode {
4  *     int val;
5  *     TreeNode *left;
6  *     TreeNode *right;
7  *     TreeNode(int x) : val(x), left(NULL), right(NULL) {}
8  * };
9  */
10 class Solution {
11 public:
12     TreeNode* invertTree(TreeNode* root) {
13         if(root){
14             invertTree(root->left);
15             invertTree(root->right);
16             swap(root->left, root->right);
17         }
18         return root;
19     }
20 };
```

Custom Testcase ☒

[1,2,3,4,5,6,7,8,9,10,11]

One line for one parameter. Hint ▾

[Run Code](#)[Submit Solution](#)

Run Code Status: Finished

Run Code Result:

[Send Feedback \(mailto:admin@leetcode.com?subject=Feedback\)](mailto:admin@leetcode.com?subject=Feedback)

Your input

[1,2,3,4,5,6,7,8,9,10,11]

Your answer

[1,3,2,7,6,5,4,null,null,null,null,11,10,9,8]

Expected answer

[1,3,2,7,6,5,4,null,null,null,null,11,10,9,8]

Show Diff

Runtime: 0 ms

Note: is Run Code inconsistent with Submit Solution? If you are using global variables or C/C++, check this (/faq/#different-output) out.

Notes

Submission Result: Accepted (/submissions/detail/79996954/) ?

More Details > (/submissions/detail/79996954/)

Next challenges: (E) Maximum Depth of Binary Tree (/problems/maximum-depth-of-binary-tree)

(E) Binary Tree Paths (/problems/binary-tree-paths)

(M) Largest BST Subtree (/problems/largest-bst-subtree)

Share your acceptance!

751

150

Congratulations, you've just *unlocked* a solution!

Reveal Solution > (/articles/invert-binary-tree/)

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