Question Editorial Solution

My Submissions (/problems/binary-tree-preorder-traversal/submissions/)

Total Accepted: 143810 Total Submissions: 342744 Difficulty: Medium

Given a binary tree, return the *preorder* traversal of its nodes' values.

For example:

Given binary tree {1,#,2,3},

```
1 \ \ \ 2 \ / 3
```

return [1,2,3].

Note: Recursive solution is trivial, could you do it iteratively?

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

Show Tags

Show Similar Problems

Have you met this question in a real interview? Yes No

Discuss (https://leetcode.com/discuss/questions/oj/binary-tree-preorder-traversal)

Pick One (/problems/random-one-question/)

```
C++ • 2 </>
```

```
/**
 1
     * Definition for a binary tree node.
     * struct TreeNode {
 3
 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
        vector<int> preorderTraversal(TreeNode* root) {
13
            vector<int> visit;
14
            if (root) {
```

☐ Notes

Custom Testcase

Run Code

Submit Solution

Frequently Asked Questions (/faq/) | Terms of Service (/tos/)

Privacv

☑ Send Feedback (mailto:admin@leetcode.com?subject=Feedback) Copyright © 2016 LeetCode