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C++ Autocomplete

```

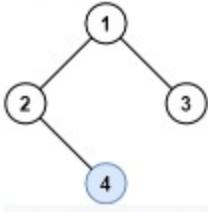
1+ /**
2+ * Definition for a binary tree node.
3+ * struct TreeNode {
4+ *     int val;
5+ *     TreeNode *left;
6+ *     TreeNode *right;
7+ *     TreeNode() : val(0), left(nullptr), right(nullptr) {}
8+ *     TreeNode(int x) : val(x), left(nullptr), right(nullptr) {}
9+ *     TreeNode(int x, TreeNode *left, TreeNode *right) : val(x), left(left), right(right) {}
10+ };
11 */
12+ class Solution {
13+ public:
14+     vector<int> getLonelyNodes(TreeNode* root)
15+     {
16+     }
17+ };

```

1469. Find All the Lonely NodesEasy [Solve](#) [Discuss](#) [Add to List](#) [Share](#)

In a binary tree, a **lonely** node is a node that is the only child of its parent node. The root of the tree is not lonely because it does not have a parent node.

Given the `root` of a binary tree, return an array containing the values of all lonely nodes in the tree. Return the list in **any order**.

Example 1:

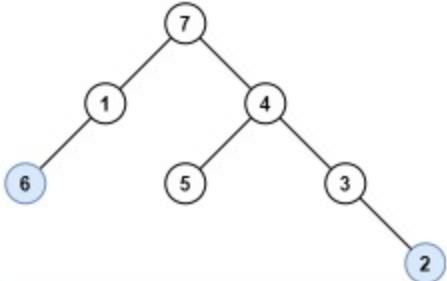
Input: root = [1,2,3,null,4]

Output: [4]

Explanation: Light blue node is the only lonely node.

Node 1 is the root and is not lonely.

Nodes 2 and 3 have the same parent and are not lonely.

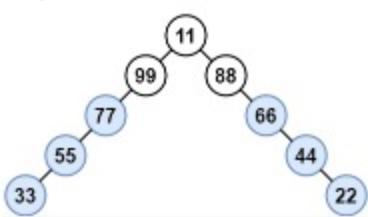
Example 2:

Input: root = [7,1,4,6,null,5,3,null,null,null,null,2]

Output: [6,2]

Explanation: Light blue nodes are lonely nodes.

Please remember that order doesn't matter, [2,6] is also an acceptable answer.

Example 3:

Input: root = [11,99,88,77,null,null,66,55,null,null,44,33,null,null,22]

Output: [77,55,33,66,44,22]

Explanation: Nodes 99 and 88 share the same parent. Node 11 is the root.

All other nodes are lonely.

Example 4:Input: root = [197]
Output: []**Example 5:**Input: root = [31,null,78,null,28]
Output: [78,28]**Constraints:**

- The number of nodes in the tree is in the range $[1, 1000]$.
- Each node's value is between $[1, 10^6]$.

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