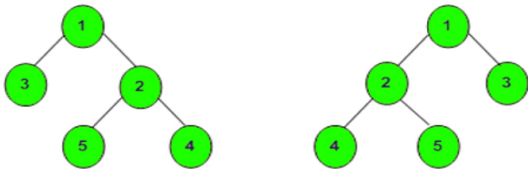


Mirror Tree

Difficulty: Easy Accuracy: 72.67% Submissions: 199K+ Points: 2

Given a Binary Tree, convert it into its mirror.



Mirror Trees

Examples:

Input:

```
1
 / \
2   3
```

Output: 3 1 2

Explanation: The tree is

```
1      (mirror)      1
 / \    =>    / \
2   3      3   2
```

The inorder of mirror is 3 1 2

Input:

```
10
 / \
20  30
 / \
40  60
```

Output: 30 10 60 20 40

Explanation: The tree is

```
10      10
 / \    / \    (mirror) / \
20  30 => 30  20
 / \    / \
40  60  60  40
```

The inorder traversal of mirror is: 30 10 60 20 40.

Expected Time Complexity: $O(n)$

Expected Auxiliary Space: $O(\text{height of the tree})$

Constraints:

$1 \leq \text{Number of nodes} \leq 10^5$

$1 \leq \text{Data of a node} \leq 10^5$

Try more examples

Seen this question in a real interview before ?

Yes

No

Company Tags

Paytm VMWare Morgan Stanley Accolite Amazon Microsoft Samsung Snapdeal
Ola Cabs Walmart Goldman Sachs Adobe Google SAP Labs Myntra Belzabar eBay
PropTiger

Topic Tags

Related Interview Experiences

```
1- //{ Driver Code Starts
2- // Initial Template for Java
3-
4- // Contributed by Sudarshan Sharma
5- import java.util.LinkedList;
6- import java.util.Queue;
7- import java.io.*;
8- import java.util.*;
9-
10- class Node {
11-     int data;
12-     Node left;
13-     Node right;
14-     Node(int data) {
15-         this.data = data;
16-         left = null;
17-         right = null;
18-     }
19- }
20-
21- class GfG {
22-
23-     static Node buildTree(String str) {
24-
25-         if (str.length() == 0 || str.charAt(0) == 'N') {
26-             return null;
27-         }
28-
29-         String ip[] = str.split(" ");
30-         // Create the root of the tree
31-         Node root = new Node(Integer.parseInt(ip[0]));
32-         // Push the root to the queue
33-
34-         Queue<Node> queue = new LinkedList<>();
35-         queue.add(root);
36-         // < >
```



Custom Input

Compile & Run

Submit



 [Report An Issue](#)

If you are facing any issue on this page. Please let us know.

Discover your potential with Deutsche Bank. Innovate, grow, and succeed globally in your career [🔗](#)

