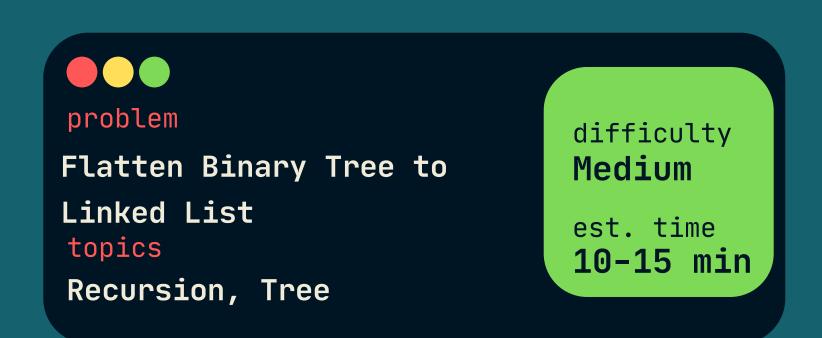
With Video Tutorial

Leetcode Daily Challenge

27-07-2022



Let's Build

Intuition



Statement

Description

- Given the root of a binary tree, flatten the tree into a "linked list":
- The "linked list" should use the same TreeNode class where the right child pointer points to the next node in the list and the left child pointer is always null.
- The "linked list" should be in the same order as a pre-order traversal of the binary tree.

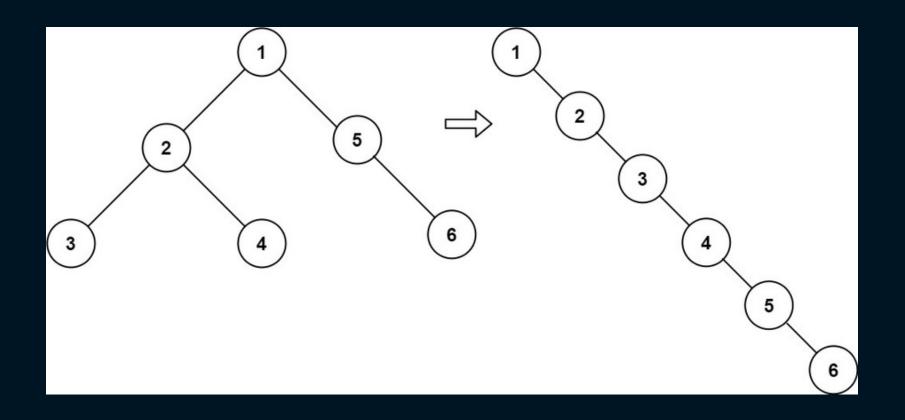
Constraint

- The number of nodes in the tree is in the range [0, 2000].
- -100 <= Node.val <= 100

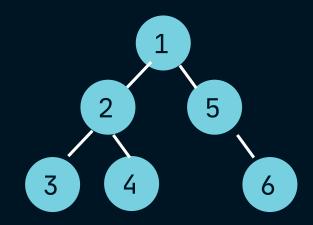
Statement

i/p
root = [1,2,5,3,4,null,6]

o/p
[1,null,2,null,3,nu
ll,4,null,5,null,6]



Bhaiyaa: See the below tree and we will quickly build an intution and a beautiful solution

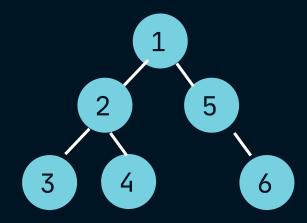


Suppose in above tree you need to rearrange nodes as per the problem statement, how will do it?

Ruyank: There are many solutions possible but this time I'll tell you a recursive one

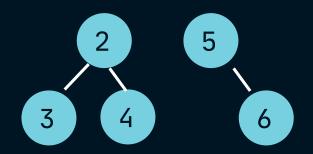
Ruyank: Let's say I build a function flatten(Node* root) which takes root of a tree , flattens

the tree and returns root of flattened tree



Bhaiyaa: Wait, how you even got the idea that you can use recursion here ??

Ruyank: You gave me root node to flatten the tree,
now consider I take away root so I'm left
with 2 new trees left subtree & right subtree



Ruyank: You need to flatten these subtrees as well...
right?

Let's call flatten for both these trees

3
4
6

Now these subtrees are also flattened so let's just rearrange root and these trees to get our answer 1

3

5

Ruyank: Seems like something is wrong with my explanation today ???

As promised, restarted my Youtube channel, uploaded a detailed video of today's Leetcode problem

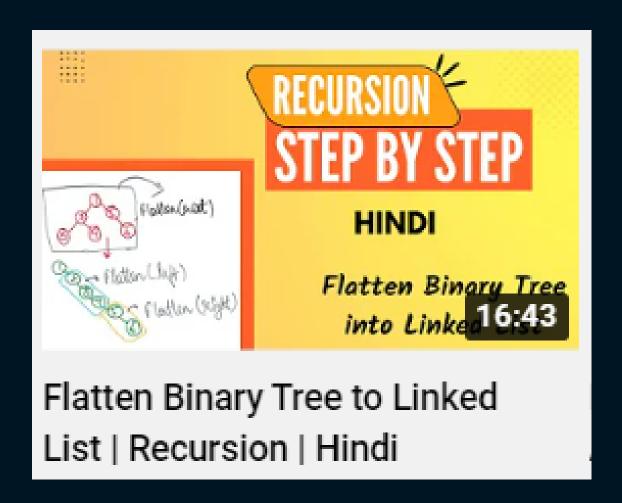
You will surely love the way I teach recursion

Just show the support and you are gonna witness something which will make you fall in love with DSA

ps-> Initial few videos will be in 'Hindi' since it's been very long I made a video, so just to be comfortable... but don't worry after a couple of videos things will back in a language you all can understand (English)

Channel name -> placement prep by mayank

Links will be in comment as well





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