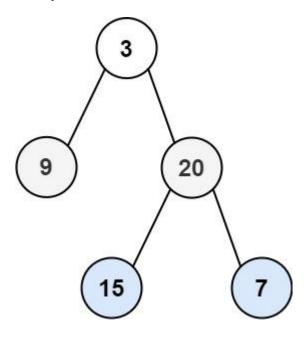
Binary Tree Level Order Traversal

Given the root of a binary tree, return the level order traversal of its nodes' values. (i.e., from left to right, level by level).

Example 1:



Input: root = [3,9,20,null,null,15,7]

Output: [[3],[9,20],[15,7]]

Example 2:

Input: root = [1]

Output: [[1]]

Example 3:

Input: root = []

Output: []

Constraints:

- The number of nodes in the tree is in the range [0, 2000].
- -1000 <= Node.val <= 1000

```
* Definition for a binary tree node.
 * public class TreeNode {
       public int val;
 *
       public TreeNode left;
       public TreeNode right;
 *
       public TreeNode(int val=0, TreeNode left=null, TreeNode right=null) {
           this.val = val;
 *
           this.left = left;
           this.right = right;
 *
       }
* }
 */
public class Solution {
    public IList<IList<int>> LevelOrder(TreeNode root)
    {
        IList<IList<int>> retVal = new List<IList<int>>();
        Traverse(root, retVal, 0);
        return retVal;
    }
    void Traverse(TreeNode root, IList<IList<int>> retVal, int depth)
        if(root == null)
        {
            return;
        }
        if(retVal.Count == depth)
            retVal.Add(new List<int>());
        }
        retVal[depth].Add(root.val);
        depth++;
        Traverse(root.left, retVal, depth);
        Traverse(root.right, retVal, depth);
    }
}
```