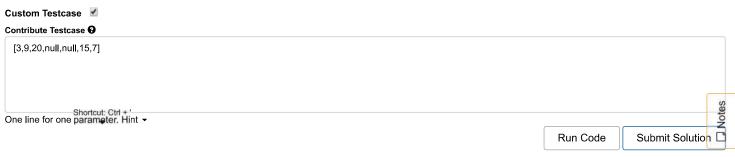
102. Binary Tree Level Order Traversal

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Given a binary tree, return the level order traversal of its nodes' values. (ie, from left to right, level by level).
For example:
Given binary tree [3,9,20,null,null,15,7],
     3
    / \
   9 20
    15
return its level order traversal as:
 [
   [3],
   [9,20],
   [15,7]
 1
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                                           </>
        # Definition for a binary tree node.
        # class TreeNode(object):
               def _
                   __init__(self, x):
self.val = x
self.left = None
    3
       #
    4
    5
        #
                    self.right = None
    6
        #
        class Solution(object):
             def levelOrder(self, root):
   10
   11
                  :type root: TreeNode
   12
                  :rtype: List[List[int]]
"""
   13
   14
                 def bfs(root):
   15
                      #d is a list
   16
                      d=[]
   17
   18
                      thislevel=[root]
   19
                      while thislevel:
   20
                           #add a new list to d for a new level
   21
                           d.append([])
                           for node in thislevel:
   22
   23
                               d[i].append(node.val)
   24
                           nextlevel=[]
   25
                           for node in thislevel:
   26
                                if node.left:
   27
   28
                                    nextlevel.append(node.left)
   29
                                if node.right:
                                    nextlevel.append(node.right)
   30
   31
                           i=i+1
   32
                           thislevel=nextlevel
   33
                      return d
   34
   35
                 if root:
   36
                      d=bfs(root)

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                      return d
```



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