

## 107. Binary Tree Level Order Traversal II

Description (?tab=Description) Submission (?tab=Submission) Solutions (?tab=Solutions) Add to List (?tab=List)

Total Accepted: **114361** Total Submissions: **299118** Difficulty: **Easy** Contributors: **Admin**

Notes

Given a binary tree, return the *bottom-up level order* traversal of its nodes' values. (ie, from left to right, level by level from leaf to root).

For example:

Given binary tree [3,9,20,null,null,15,7] ,

```
  3
 / \
9   20
 /  \
15   7
```

return its bottom-up level order traversal as:

```
[
  [15,7],
  [9,20],
  [3]
]
```

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 Editorial Solution

Python



```
1 # Definition for a binary tree node.
2 # class TreeNode(object):
3 #     def __init__(self, x):
4 #         self.val = x
5 #         self.left = None
6 #         self.right = None
7
8 class Solution(object):
9     def levelOrderBottom(self, root):
10         """
11         :type root: TreeNode
12         :rtype: List[List[int]]
13         """
14         def bfs(root):
15             d={}
16             i=0
17
18             thislevel=[root]
19             while thislevel:
20                 d[i]=[]
21                 for node in thislevel:
22                     d[i].append(node.val)
23
24                 i=i+1
25                 nextlevel=[]
26                 for node in thislevel:
27                     if node.left:
28                         nextlevel.append(node.left)
29                     if node.right:
30                         nextlevel.append(node.right)
31
32                 thislevel=nextlevel
33             return d
34
35         if root:
36             d=bfs(root)
37             return d.values()[::-1]
```

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Custom Testcase ☒Contribute Testcase 

```
[3,9,20,null,null,15,7]
```

Shortcut: Ctrl + '


One line for one parameter. Hint ▾

Run Code

Submit Solution

Notes

Run Code Status: Finished

Run Code Result: 

Your input

```
[3,9,20,null,null,15,7]
```

Your answer

```
[[15,7],[9,20],[3]]
```

Expected answer

```
[[15,7],[9,20],[3]]
```

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Runtime: 32 ms

Note: is Run Code inconsistent with Submit Solution? If you are using global variables or C/C++, check this (</faq/#different-output>) out.[Frequently Asked Questions \(/faq/\)](/faq/) | [Terms of Service \(/tos/\)](/tos/)[Privacy](#)

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