Problem 1: Level order traversal of a binary tree. Given the root node of the tree and you have to print the value of the level of the node by level.

```
class TreeNode:
  def __init__(self, val=0, left=None, right=None):
    self.val = val
    self.left = left
    self.right = right
def levelOrder(root):
  if not root:
    return []
  result = []
  queue = [root]
  while queue:
    level = []
    level_size = len(queue)
    for _ in range(level_size):
      node = queue.pop(0)
      level.append(node.val)
      if node.left:
         queue.append(node.left)
      if node.right:
         queue.append(node.right)
    result.append(level)
```

return result

```
root = TreeNode(1)
root.left = TreeNode(2)
root.right = TreeNode(3)
root.left.left = TreeNode(4)
root.left.right = TreeNode(5)
root.right.left = TreeNode(6)
root.right.right = TreeNode(7)

result = levelOrder(root)
for level in result:
```

print(level)

TreeNode(5) 36 root. Sign Up input Login [2, 3] [4, 5, 6, 7]...Program finished with exit code 0 Press ENTER to exit console. **GOT AN OPINION** About • FAQ • Blog • Terms of Use • Contact Us • GDB Tutorial • Credits • Privacy © 2016 - 2023 GDB Online