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Binary Tree Level Order Traversal

class Solution {

public List<List<Integer>> levelOrder(TreeNode root) {

List<List<Integer>> res =new ArrayList<>();

if(root==null)

return res;

Queue<TreeNode>queue =new LinkedList<>();

queue.add(root);

while(!queue.isEmpty())

{

List<Integer>level =new ArrayList<>();

int cnt=queue.size();

for(int i=0;i<cnt; i++)

{

TreeNode node=queue.poll();

level.add(node.val);

if(node.left!=null)

{

queue.add(node.left);

}

if(node.right!=null){

queue.add(node.right);

}

}

res.add(level);

}

return res;

}

}