BT LEVEL ORDER TRAVERSAL

```java
class Solution {
    public List<List<Integer>> levelOrder(TreeNode root) {
        List<List<Integer>> result = new ArrayList<>();
        if (root == null) return result;
        Queue<TreeNode> queue = new LinkedList<>();
        queue.offer(root);
        while (!queue.isEmpty()) {
            int size = queue.size();
            List<Integer> level = new ArrayList<>();
            for (int i = 0; i < size; i++) {
                TreeNode node = queue.poll();
                level.add(node.val);

                if (node.left != null)
                    queue.offer(node.left);

                if (node.right != null)
                    queue.offer(node.right);
            }
            result.add(level);
        }

        return result;
    }
}
```