

```

const fn = (root) => {
  let queue = [root];
  const output = [];
  while (queue.length) {
    const nextQueue = [];
    const level = [];
    while (queue.length) {
      const node = queue.shift();
      level.push(node.val);
      if (node.left) {
        nextQueue.push(node.left);
      }
      if (node.right) {
        nextQueue.push(node.right);
      }
    }
    output.push(level);
    queue = nextQueue;
  }
  return output.reverse();
}

```