75 Days of Code Day 40 199. Binary Tree Right Side View

Given the root of a binary tree, imagine yourself standing on the right side of it, return the values of the nodes you can see ordered from top to bottom.

Example 1:

Input: root = [1,2,3,null,5,null,4]
Output: [1,3,4]
Example 2:

Input: root = [1,null,3]
Output: [1,3]
Example 3:

Input: root = []
Output: []

Solution using BFS

1. Use Queue to enqueue (insert at first) and dequeue(delete at first)
2. Loop for each element (which acts as a level)
3. Just enter the list element in the array

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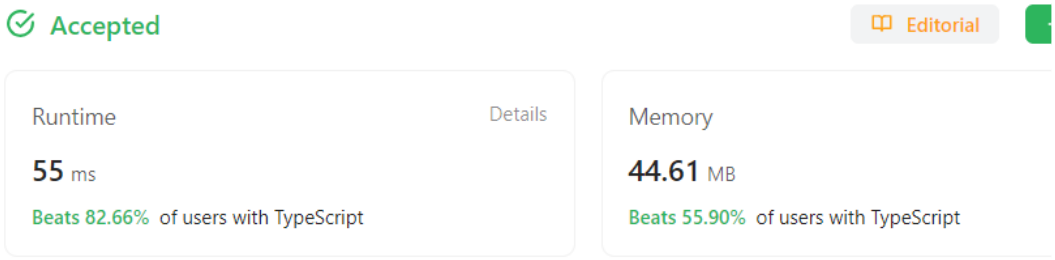
```
function rightSideView(root: TreeNode | null): number[] {
  if (!root) return [];
  const result = [];
  const queue = [root];

  while (queue.length) {
    let level = 0;
    let node;
    let length = queue.length;

    while (level < length) {
      node = queue.shift();

      if (node.left) {
        queue.push(node.left);
      }

      if (node.right) {
        queue.push(node.right);
      }

      level++;
    }

    result.push(node.val);
  }

  return result;
}
```



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