Marwadi University	**Marwadi University** **Faculty of Technology** **Department of Information and Communication Technology**	
Sem : 4	**Name : VEDANT BHARAD**	
Day : 125	**Date : 19/2/2023**	**Enrollment No: 92100133023**

CP Club 365 Days Challenge

Programming language – C++

Problem Statement

https://leetcode.com/problems/binary-tree-zigzag-level-order-traversal/

Git :- https://github.com/Vedantbharad2603/CP_club_365_Days

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Your Code:

```
// 0x125Day of 0x365Days challenge
// VEDANT BHARAD
// 17-2-2023
class Solution {
public:
    vector<vector<int>> zigzagLevelOrder(TreeNode* root) {
        if (root == NULL) {
        return vector<vector<int> > ();
    }
    vector<vector<int>> toReturn;
    queue<TreeNode*> tempQueue;
    tempQueue.push(root);
    bool ltr = true;
    while ( !tempQueue.empty()) {
        int size = tempQueue.size();
        vector<int> row(size);
        for (int loop = 0; loop < size; loop++) {
            TreeNode* node = tempQueue.front();
            tempQueue.pop();
            int index = (ltr) ? loop : (size - 1 - loop);
            row[index] = node->val;
            if (node->left) {
                tempQueue.push(node->left);
            }
            if (node->right) {
                tempQueue.push(node->right);
            }
        }
        ltr = !ltr;
        toReturn.push_back(row);
    }
    return toReturn;
    }
};
```

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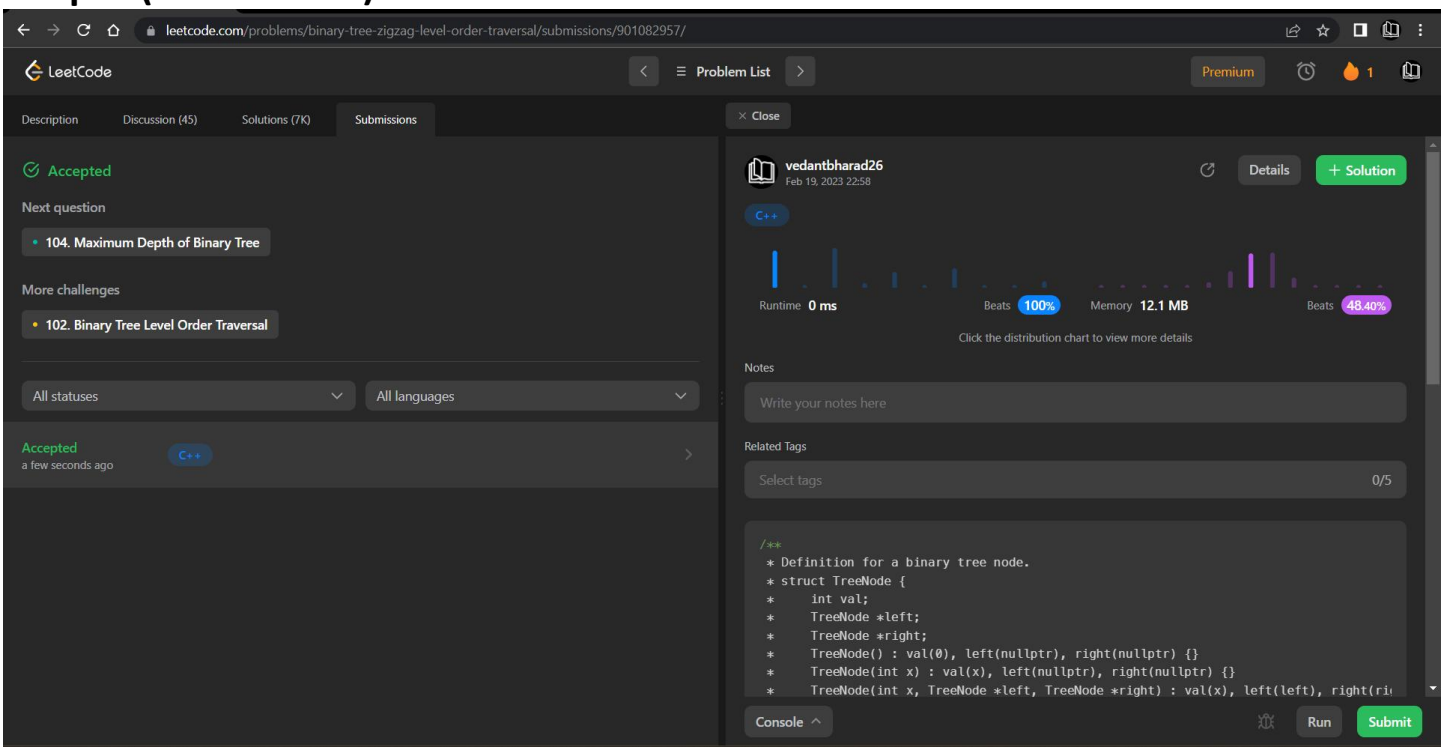
Output (Screen Shot):



Understanding about problem:

- In this task I need to return one vector in which there will be zigzag level order traversal of given binary tree.

Note: If you can't understand the problem, feel free to contact us and we'll help you. Please don't copy and paste from anywhere.

ALL THE BEST

Team CP Club