Marwadi University	**Marwadi University** **Faculty of Technology** **Department of Information and Communication Technology**	
Sem : 6	**Name : Pushti Depani**	
Day : 125	**Date : 19/2/2023**	**Enrollment No: 92000133018**

CP Club 365 Days Challenge

Programming language – Any language

Problem Statement

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

https://github.com/Pushti18/CP-Club-100-onwards-

Your Code:

```
 class Solution {
public:

    void solve(TreeNode* root,vector<vector<int>> &ans){
        if(root==NULL) return ;

        stack<TreeNode*> left;
        stack<TreeNode*> right;
        bool lr=true;
        left.push(root);
         vector<int> v;
        while(!left.empty()){

            if(node){

                if(lr){
                    if(node->left){
                        right.push(node->left);
                    }
                    if(node->right){
                        right.push(node->right);
                    }
                }
                else{
                    if(node->right){
                        right.push(node->right);
                    }
                    if(node->left){
                        right.push(node->left);
                    }
```

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```
                }
            }

            if(left.empty()){
                ans.push_back(v);
                lr=!lr;
                swap(left,right);

            }
        }
    }
};
```

Output (Screen Shot):

Understanding about problem:

In this problem if the root is null then we will return. And if it is not there then we will push root to the next node and add that data in the next in the order of left to right. And check if the stack is empty or not. And then pop stack and if not null then print the data. And then store according to the current data.

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