#15 Days of Coding Challenge
#Day 10

Minimum depth of binary tree

#Leetcode 111

Solution:

```
class Solution {
public:
    int minDepth(TreeNode* root) {

         int level=1;
        if (root == NULL) return 0;
        queue<TreeNode*> q;
        q.push(root);
        while (!q.empty()) {
            int size = q.size();

            while(size>0) {
                TreeNode* temp = q.front();
                q.pop();

               if(temp->left==NULL && temp->right==NULL) return level;
if(temp->left!=NULL)q.push(temp->left);
if(temp->right!=NULL)q.push(temp->right);

                size--;

            }
            level++;
        }

        return level;
    }
};
```

Time Complexity: O(n)

Space Complexity: O(n)