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Print Tree

Problem

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Submitted 5 hours ago • Score: 20.00

Status: **Accepted**

Test Case #0



Test Case #1



Test Case #2



Test Case #3



Test Case #4



Test Case #5



Test Case #6



Test Case #7



Test Case #8

Submitted Code

Language: C++20

Open in editor

```
1 #include <bits/stdc++.h>
2 using namespace std;
3
4 class Node
5 {
6 public:
7     int val;
8     Node *left;
9     Node *right;
10    Node(int val)
11    {
12        this->val = val;
13        this->left = NULL;
14        this->right = NULL;
15    }
16 };
17
18 stack<int>st;
19
20 Node *inputTree()
21 {
22     int val;
23     cin >> val;
24     Node *root;
25     if (val == -1)
26         root = NULL;
27     else
28         root = new Node(val);
29
30     queue<Node *> q;
31     if (root)
32         q.push(root);
33 }
```

```
34 while (!q.empty())
35 {
36     Node *f = q.front();
37     q.pop();
38
39     int l, r;
40     cin >> l >> r;
41     Node *myLeft, *myRight;
42
43     if (l == -1)
44         myLeft = NULL;
45     else
46         myLeft = new Node(l);
47
48     if (r == -1)
49         myRight = NULL;
50     else
51         myRight = new Node(r);
52
53     f->left = myLeft;
54     f->right = myRight;
55
56     if (f->left)
57         q.push(f->left);
58     if (f->right)
59         q.push(f->right);
60 }
61 return root;
62 }
63
64 void levelOrder(Node *root)
65 {
66     if(root == NULL)
67     {
68         return;
69     }
70     queue<Node *> q;
71     q.push(root);
72
73
74
75     while(!q.empty())
76     {
77         Node *f = q.front();
78         q.pop();
79
80         // cout<<f->val<<" ";
81         st.push(f->val);
82
83         if(f->right) q.push(f->right);
84         if(f->left) q.push(f->left);
85     }
86 }
87
88 }
89
90 int main()
91 {
92     Node *root = inputTree();
93     levelOrder(root);
94
95     while(!st.empty())
96     {
97         cout<<st.top()<<" ";
98         st.pop();
99     }
```

```
100  
101     return 0;  
102 }
```

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