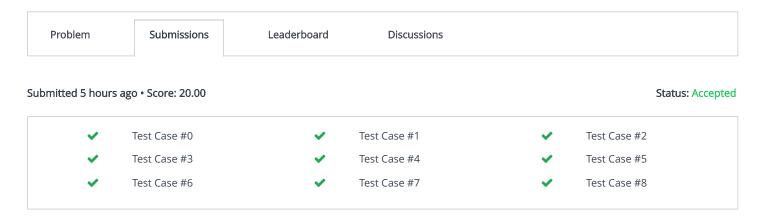
☐ ☐ ☐ yasinarafat2413 ∨

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Print Tree



Submitted Code

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

```
34
       while (!q.empty())
35
       {
           Node *f = q.front();
36
37
           q.pop();
38
39
           int l, r;
40
           cin >> l >> r;
41
           Node *myLeft, *myRight;
42
           if (l == -1)
43
               myLeft = NULL;
44
45
           else
46
                myLeft = new Node(l);
47
           if (r == -1)
48
               myRight = NULL;
49
           else
50
51
                myRight = new Node(r);
52
53
           f->left = myLeft;
           f->right = myRight;
54
55
           if (f->left)
56
57
               q.push(f->left);
           if (f->right)
58
59
               q.push(f->right);
       }
60
       return root;
61
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
       while(!q.empty())
75
76
           Node *f = q.front();
77
78
           q.pop();
79
           // cout<<f->val<<" ";
80
81
           st.push(f->val);
82
           if(f->right) q.push(f->right);
83
           if(f->left) q.push(f->left);
84
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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