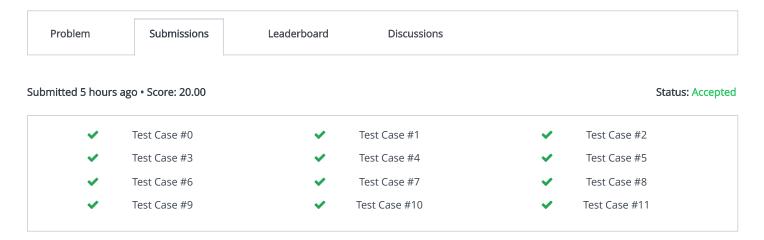
Max Min Leaf



Submitted Code

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

```
33
       while (!q.empty())
34
35
           Node *f = q.front();
36
37
           q.pop();
38
39
           int l, r;
           cin >> l >> r;
40
           Node *myLeft, *myRight;
41
42
           if (l == -1)
43
44
                myLeft = NULL;
45
           else
                myLeft = new Node(l);
46
47
           if (r == -1)
48
                myRight = NULL;
49
50
           else
51
                myRight = new Node(r);
52
           f->left = myLeft;
53
           f->right = myRight;
54
55
           if (f->left)
56
57
               q.push(f->left);
           if (f->right)
58
               q.push(f->right);
59
60
61
       return root;
62 }
63
64 void maxMinLeaf(Node *root)
65 {
66
       if (root == NULL)
67
           return ;
68
       if(root ->left == NULL and
69
       root -> right == NULL)
           q.push(root->val);
70
71
       maxMinLeaf(root->left);
72
       maxMinLeaf(root->right);
73
74
75
76 }
77 int main()
78 {
79
       Node *root = inputTree();
80
81
       maxMinLeaf(root);
82
       int mx = INT_MIN;
83
       int mn = INT_MAX;
84
85
       while (!q.empty())
86
87
88
           // cout<<q.front()<<" ";
           if (q.front() >= mx)
89
90
           {
91
               mx = q.front();
92
           }
93
94
           if (q.front() <= mn)</pre>
95
           {
96
                mn = q.front();
97
           }
98
```

```
99 q.pop();
100 }
101
102 // cout<<"max = "<<mx<<" "<<mn<<endl;
103 cout << mx << " " << mn << endl;
104
105 return 0;
106 }
```

Interview Prep | Blog | Scoring | Environment | FAQ | About Us | Support | Careers | Terms Of Service | Privacy Policy |