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 Take Input Level Wise of Binary Tree 1

Take Input Level Wise of Binary Tree 1

Problem

Submissions

Leaderboard

Discussions

Take Input Level Wise of Binary Tree and then print in the inorder format

Input Format

-

Constraints

-

Output Format

Inorder traversal of Binary tree

Sample Input 0

```
1 2 3 4 5 6 7 -1 -1 -1 -1 -1 -1 -1 -1
```

[f](#)
[t](#)
[in](#)

Contest ends in a month

Submissions: 10

Max Score: 10

Difficulty: Medium

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Sample Output 0

4 2 5 1 6 3 7

Java 7



```
1 import java.io.*;
2 import java.util.*;
3 import java.text.*;
4 import java.math.*;
5 import java.util.regex.*;
6
7 class node{
8     int data;
9     node prev;
10    node next;
11    node(int d){
12        data=d;
13        prev=null;
14        next=null;
15    }
16 }
17
18 public class Solution {
19
20
21     public static void disp(node root) {
22         if (root == null) {
23             return;
24         }
25
26         Stack<node> stack = new Stack<>();
27         node current = root;
28
29         while (current != null || !stack.isEmpty()) {
```

```

30     while (current != null) {
31         stack.push(current);
32         current = current.prev;
33     }
34
35     current = stack.pop();
36     System.out.print(current.data + " ");
37
38     current = current.next;
39 }
40
41
42 public static void main(String[] args) {
43     /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class should
be named Solution. */
44     Scanner sc=new Scanner(System.in);
45     Queue<node> q=new LinkedList<>();
46     int val=sc.nextInt();
47     if(val== -1) return;
48     node nn=new node(val);
49     node root=nn;
50     q.add(nn);
51     while(!q.isEmpty()){
52         node e=q.poll();
53         val=sc.nextInt();
54         if(val!= -1){
55             nn=new node(val);
56             e.prev=nn;
57             q.add(nn);}
58         val=sc.nextInt();
59         if(val!= -1){
60             nn=new node(val);
61             e.next=nn;
62             q.add(nn);}
63     }
64     disp(root);
65 }
66 }

```

Line: 1 Col: 1



[Upload Code as File](#)

☐

Test against custom input

Run Code

Submit Code

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