Print Outer Tree

Problem	Submissions	Leaderboard	Discussions

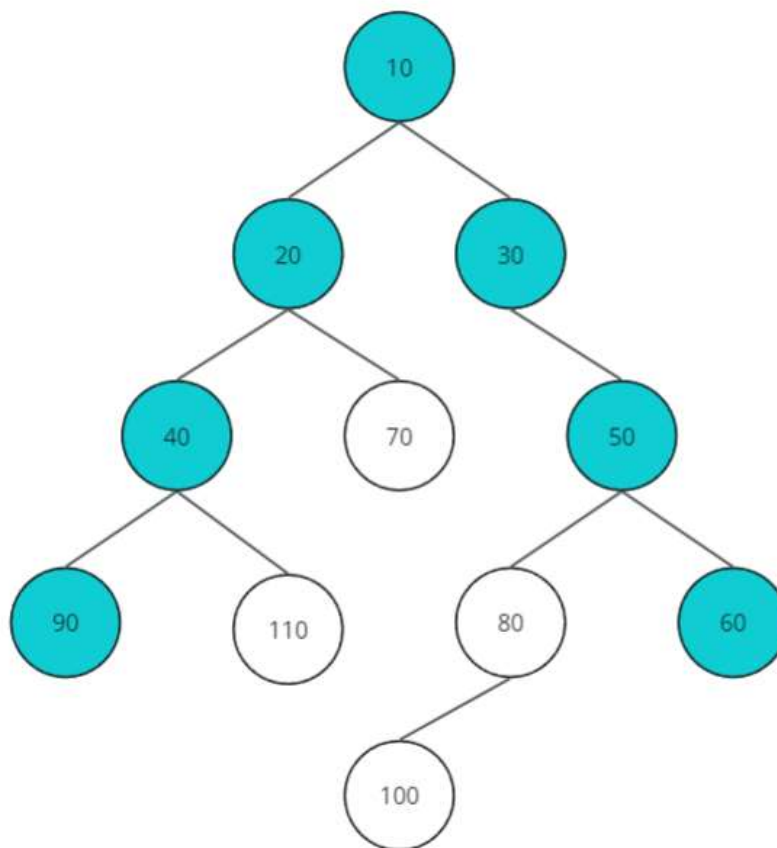## Problem Statement

You will be given a binary tree as input in level order. You need to print the outer side of the binary tree. See the sample input output for more clarifications. You need to print from the left most leaf node to right most leaf node.

For example:

The output for the above tree will be: **90 40 20 10 30 50 60**

Input Format

- Input will contain the binary tree in level order. **−1** means there is no node available.

Constraints

1. $1 \leq$ Maximum number of nodes $\leq 10^5$

2. $1 \leq$ Node's value ≤ 1000

Output Format

- Output the left most leaf node to right most leaf node.

Sample Input 0

```
10
20 30
40 70 -1 50
90 110 -1 -1 80 60
-1 -1 -1 -1 100 -1 -1 -1
-1 -1
```

Sample Output 0

```
90 40 20 10 30 50 60
```

Explanation 0

```
This test case was explained in the question.
```
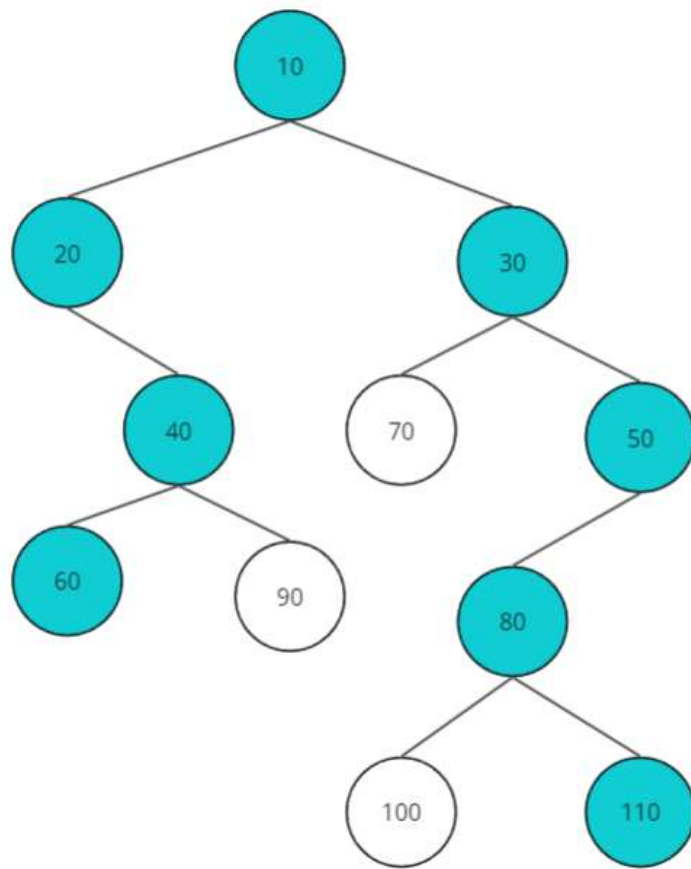
Sample Input 1

```
10
20 30
-1 40 70 50
60 90 -1 -1 80 -1
-1 -1 -1 -1 100 110
-1 -1 -1 -1
```

Sample Output 1

```
60 40 20 10 30 50 80 110
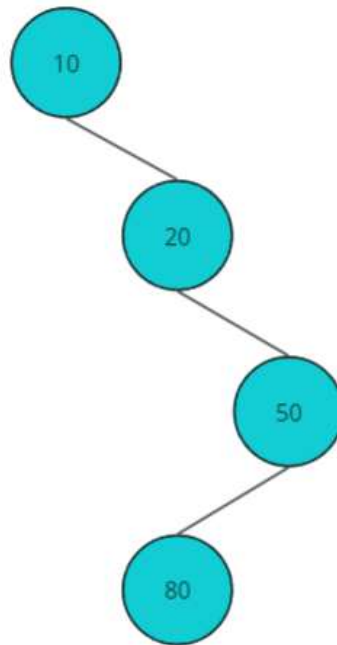```

## Explanation 1

```
Outer part of the binary tree -
```

Sample Input 2

```
10
-1 20
-1 50
80 -1
-1 -1
```

Sample Output 2

```
10 20 50 80
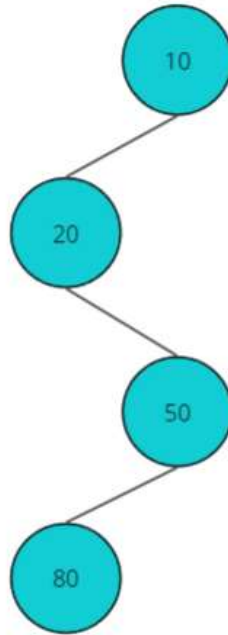```

## Explanation 2

```
Outer part of the binary tree -
```

Sample Input 3

```
10
20 -1
-1 50
80 -1
-1 -1
```

Sample Output 3

```
80 50 20 10
```

Explanation 3

```
Outer part of the binary tree -
```

C++20

```cpp
1  #include <bits/stdc++.h>
2
3  using namespace std;
4
5
6
7  int main()
8  {
9      // Write your code here
10
11     return 0;
12  }
13
```

Line: 1 Col: 1

⬆ Upload Code as File   ☐ Test against custom input

Run Code   Submit Code