**Reverse alternate levels of a perfect binary tree:-**

Given a complete binary tree, reverse the nodes present at alternate levels.

**Example 1:**

**Input:**

1

/ \

3 2

**Output:**

1

/ \

2 3

**Explanation:** Nodes at level 2 are reversed.

**Example 2:**

**Input:**

1

/ \

2 3

/ \ / \

42 51 63 72

**Output:**

1

/ \

3 2

/ \ / \

42 51 63 72

**Explanation:**

Nodes at level 2 are reversed.

Level 1 and 3 remain as it is.

**Your Task:**  
You dont need to read input or print anything. Complete the function **reverseAlternate()** which takes root node as input parameter and modifies the given tree in-place.

**Note:** If you click on Compile and Test the output will be the in-order traversal of the modified tree.

**Expected Time Complexity:** O(N)  
**Expected Auxiliary Space:** O(height of tree)