

Populate Inorder Successor for all nodes

Given a Binary Tree, write a function to populate next pointer for all nodes. The next pointer for every node should be set to point to inorder successor.

Input:

3

10 8 L 8 3 L 10 12 R

Output:

3->8 8->10 10->12 12->-1

```
def populateNext(root):  
    #code here  
    prev = [None]  
    helper(root,prev)  
    return root  
  
def helper(root,prev):  
    if root is None:  
        return  
    helper(root.left,prev)  
    if prev[0] == None:  
        prev[0] = root  
    else:  
        prev[0].next = root  
        prev[0] = root  
    helper(root.right,prev)
```