**Binary Tree to BST:-**

Given a Binary Tree, convert it to Binary Search Tree in such a way that keeps the original structure of Binary Tree intact.

**Example 1:**

**Input:**

1

  / \

2 3

**Output:** 1 2 3

**Example 2:**

**Input:**

1

/ \

2 3

/

4

**Output:** 1 2 3 4

**Explanation:**

The converted BST will be

3

/ \

2 4

/

1

**Your Task:**  
You don't need to read input or print anything. Your task is to complete the function **binaryTreeToBST()** which takes the root of the Binary tree as input and returns the root of the BST. The driver code will print**inorder** traversal of the converted BST.

**Expected Time Complexity:** O(NLogN).  
**Expected Auxiliary Space:** O(N).

**Constraints:**  
1 <= Number of nodes <= 1000