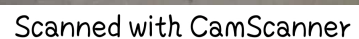
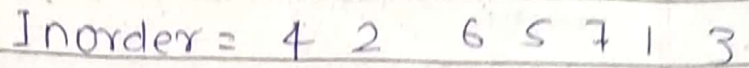


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code:

```
class solution {
    public List<Integer> inOrderTraversal(TreeNode root)
    {
        Stack<TreeNode> st = new Stack<>();
        ArrayList<Integer> al = new ArrayList<>();
        TreeNode node = root;

        while (true) {
            if (node != null) {
                st.push(node);
                node = node.left;
            }
            else {
                if (st.isEmpty()) {
                    break;
                }
                node = st.pop();
                al.add(node.val);
                node = node.right;
            }
        }
        return al;
    }
}
```