# Data Structure and Algorithm
# Quiz-05 (Fall 2023)
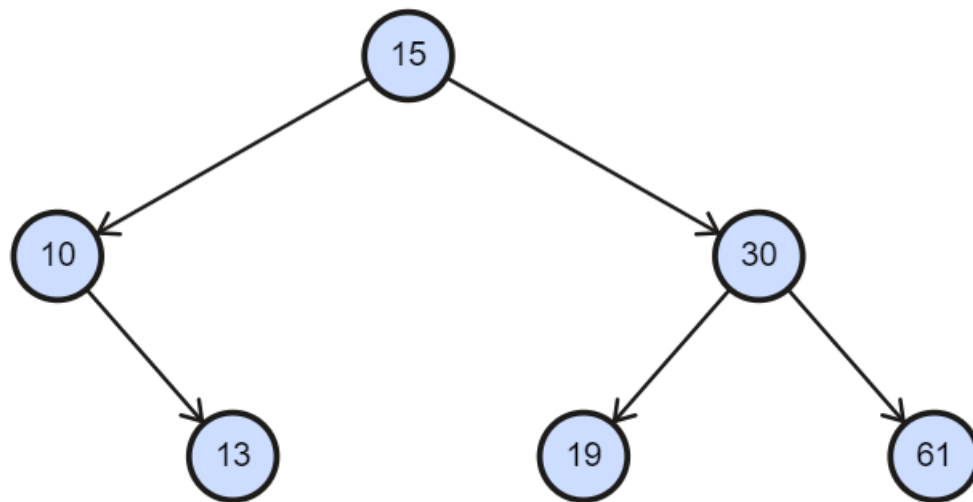
**Name:** _____ **Roll No:** _____ **Date:** _____

**Instructor: Dr. Tanweer Bukhari**    **Section: D5**    **Marks:** 15    **Time:** 20 minutes

## Task 1: Binary Search Tree

Insert 15, 10, 30, 61, 15, 13, and 19 into an empty Binary Search Tree (BST) and write down the results of Inorder, Preorder, and Postorder Traversals.

**Solution:**



Pre-Order: 15, 10, 13, 30, 19, 61

In-Order: 10, 13, 15, 19, 30, 61

Post-Order: 13, 10, 19, 61, 30, 15
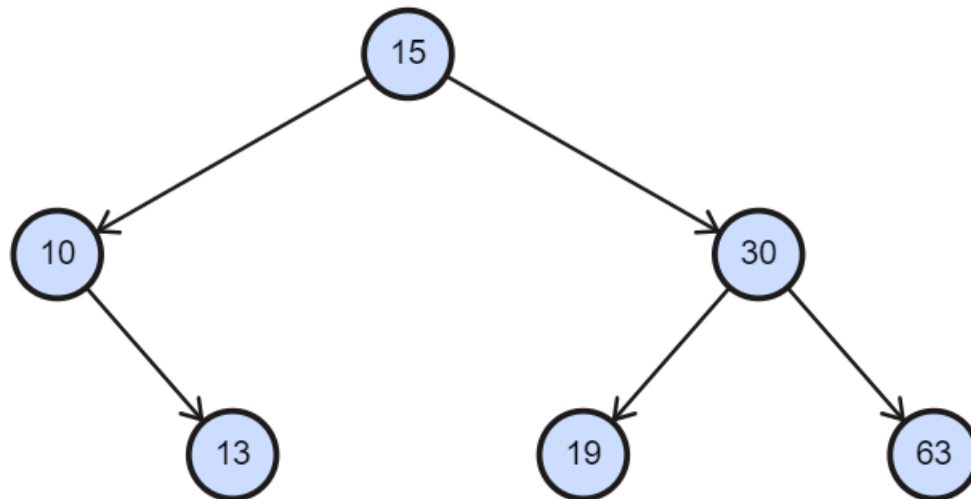
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**Solution:**



Pre-Order: 15, 10, 13, 30, 19, 63

In-Order: 10, 13, 15, 19, 30, 63

Post-Order: 13, 10, 19, 63, 30, 15
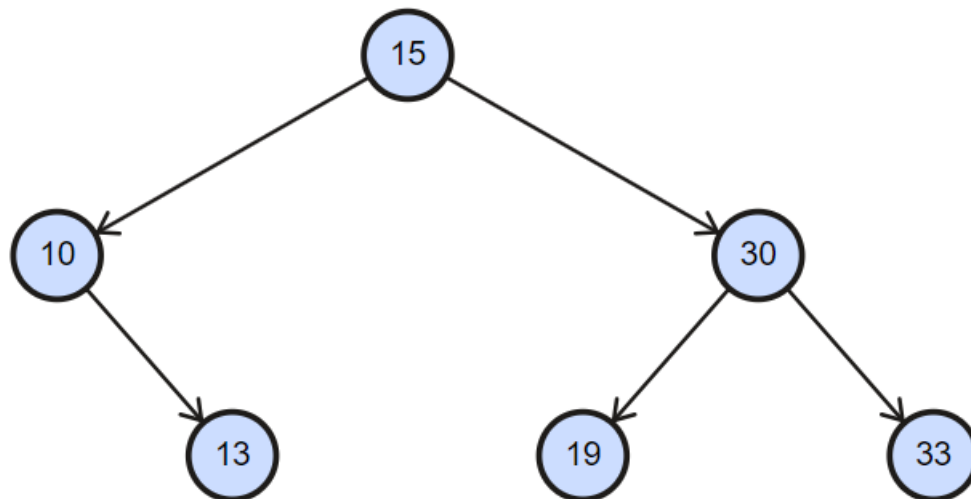
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### Task 1: Binary Search Tree

Insert 15, 10, 30, 61, 15, 33, and 19 into an empty Binary Search Tree (BST) and write down the results of Inorder, Preorder, and Postorder Traversals.

**Solution:**



Pre-Order: 15, 10, 13, 30, 19, 33

In-Order: 10, 13, 15, 19, 30, 33

Post-Order: 13, 10, 19, 33, 30, 15
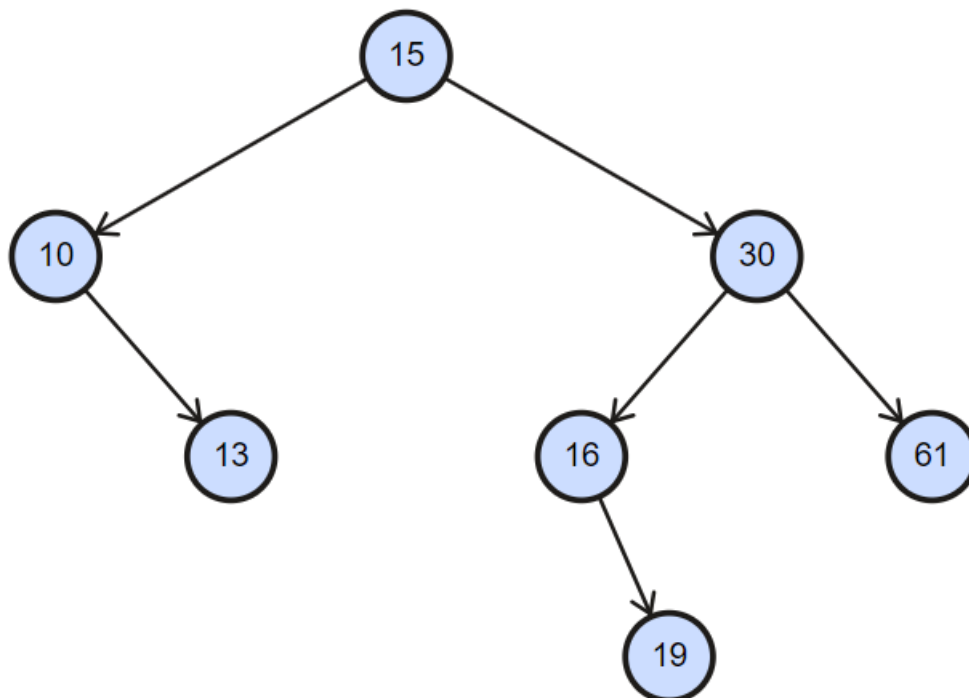
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**Instructor: Dr. Tanweer Bukhari**    **Section: D5**    **Marks:** 15    **Time:** 20 minutes

## Task 1: Binary Search Tree

Insert 15, 10, 30, 61, 16, 13, and 19 into an empty Binary Search Tree (BST) and write down the results of Inorder, Preorder, and Postorder Traversals.

**Solution:**



Pre-Order: 15, 10, 13, 30, 16, 19, 61

In-Order: 10, 13, 15, 16, 19, 30, 61

Post-Order: 13, 10, 19, 16, 61, 30, 15
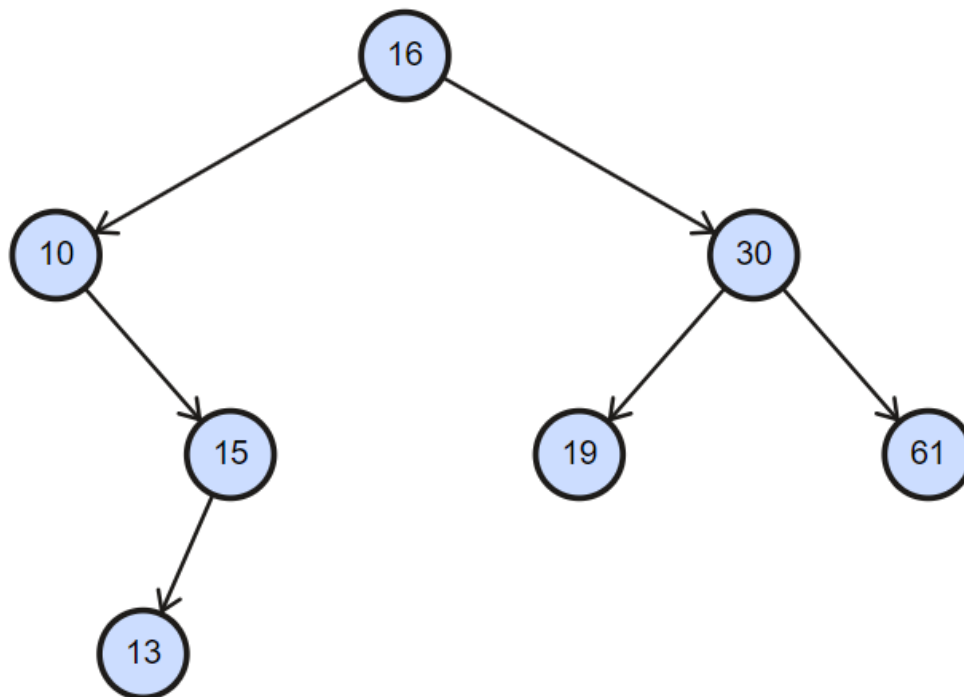
# Data Structure and Algorithm
## Quiz-05 (Fall 2023)

| | | |
|---|---|---|
| **Name:** _____ | **Roll No:** _____ | **Date:** _____ |
| **Instructor: Dr. Tanweer Bukhari** | **Section:** D5 **Marks:** 15 | **Time:** 20 minutes |

## Task 1: Binary Search Tree

Insert 16, 10, 30, 61, 15, 13, and 19 into an empty Binary Search Tree (BST) and write down the results of Inorder, Preorder, and Postorder Traversals.

**Solution:**



Pre-Order: 16, 10, 15, 13, 30, 19, 61

In-Order: 10, 13, 15, 16, 19, 30, 61

Post-Order: 13, 15, 10, 19, 61, 30, 16