

Pre-order traversal: In pre-order traversal, the root node is visited first, followed by the left subtree, and then the right subtree. This traversal can be summarized as follows:

Visit the root node.

Traverse the left subtree recursively.

Traverse the right subtree recursively.

In-order traversal: In in-order traversal, the left subtree is visited first, followed by the root node, and then the right subtree. This traversal can be summarized as follows:

Traverse the left subtree recursively.

Visit the root node.

Traverse the right subtree recursively.

Post-order traversal: In post-order traversal, the left subtree is visited first, followed by the right subtree, and then the root node. This traversal can be summarized as follows:

Traverse the left subtree recursively.

Traverse the right subtree recursively.

Visit the root node.

	Best	Worst
Insert in sorted order	$O(1)$	$O(N)$
Delete by value	$O(1)$	$O(N)$
Insert at head	$O(1)$	$O(1)$
Delete Head	$O(1)$	$O(1)$

TEST 2 Review			
Functions	Best	Average	Worst
BST Insert	$O(1)$	$O(\log(N))$	$O(N)$
BST Contains	$O(1)$	$O(\log(N))$	$O(N)$
BST Remove	$O(1)$	$O(\log(N))$	$O(N)$
AVL Insert	$O(\log(N))$	$O(\log(N))$	$O(\log(N))$
AVL Contains	$O(1)$	$O(\log(N))$	$O(\log(N))$
AVL Remove	$O(\log(N))$	$O(\log(N))$	$O(\log(N))$

Basic Linked List/Single – nav is forward only

Doubly linked – forward and backward nav

Circular linked – last element links to front element