Introduction to Traversal

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10:59

```
InOrder(root) visits nodes in the following order:
4, 10, 12, 15, 18, 22, 24, 25, 31, 35, 44, 50, 66, 70, 90
```

A Pre-order traversal visits nodes in the following order: 25, 15, 10, 4, 12, 22, 18, 24, 50, 35, 31, 44, 70, 66, 90

A Post-order traversal visits nodes in the following order: 4, 12, 10, 18, 24, 22, 15, 31, 44, 35, 66, 90, 70, 50, 25

node.left && traverse(node.left);
node.right && traverse(node.right);

}

```
In Order → Bottom up approach (Left , Node, Right)

Pre Order → Top down approach

Post Order → Bottom up approach (Left , Right, Node)
```

```
root
                             25
               15
                                           50
                                                     BFS
                      DFS
                                     DFS
      DFS
    Postorder
                    Preorder
                                    Inorder
                                                  Left -> Right
Top -> Bottom
    Bottom -> Top
                   Top -> Bottom
                                Left -> Node -> Right
    Left -> Right
                    Left -> Right
                           5
                 (3)
function traverse(node) {
     if (node === null) {
          return;
     }
     numbers.push(node.val);
// If above statement is line 1, then pre-order, if line 2 , then in-order, if line 3
then post-order traversal
```