

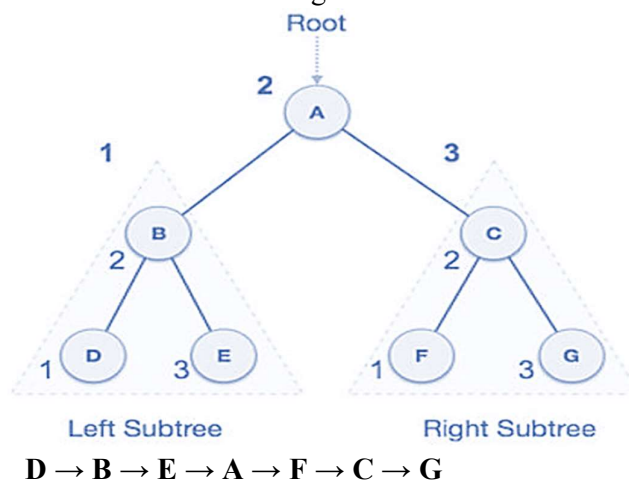
## ➤ Tree Traversal: -

Traversal is a process to visit all the nodes of a tree and may print their values too. Because, all nodes are connected via edges (links) we always start from the root (head) node. That is, we cannot randomly access a node in a tree. There are three ways which we use to traverse a tree

- In-order Traversal
- Pre-order Traversal
- Post-order Traversal

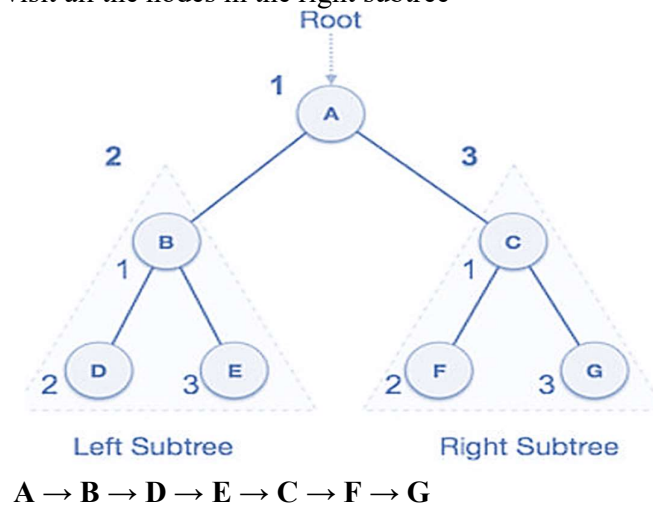
### 1. In-order Traversal: -

- a. First, visit all the nodes in the left subtree
- b. Then visit the root node
- c. Finally visit all the nodes in the right subtree



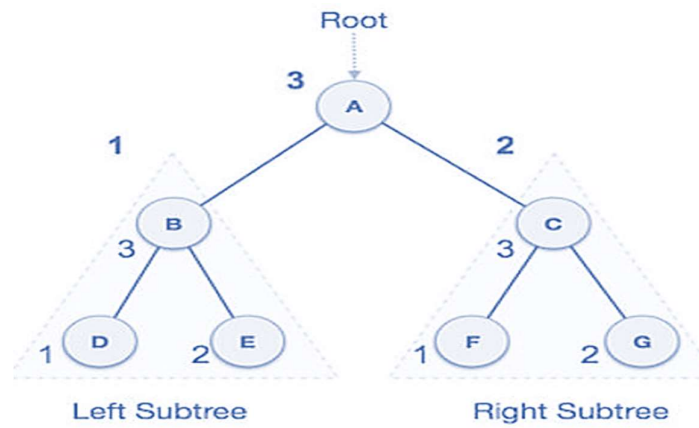
### 2. Pre-order Traversal: -

- a. First visit root node
- b. Then visit all the nodes in the left subtree
- c. Finally visit all the nodes in the right subtree



### 3. Post-order Traversal: -

- First visit all the nodes in the left subtree
- Then visit all the nodes in the right subtree
- Finally visit the root node



**D → E → B → F → G → C → A**