Traversal in a Binary Tree!

→ Linear Data Structure : front to rear
                                rear to front   → Array!

→ Non Linear Data Structure :

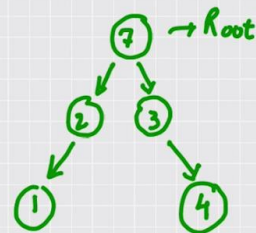Traversal in a Binary Tree!

① Preorder Traversal

   (Root) → left subtree → Right Subtree

② Postorder Traversal

   Left Subtree → Right subtree → (Root)

③ In order Traversal

   left Subtree → (root) → Right subtree

7 → Root
2   3
1   4

Traversal in a Binary Tree!

① Preorder Traversal

Root ⟶ left subtree → Right Subtree

② Postorder Traversal

Left Subtree → Right Subtree → Root

③ In order Traversal

Left Subtree → root → Right subtree
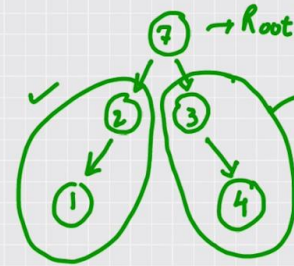
$$7 \; [\; 2 \, [\, 1\,]\;] \; [\; 3\, [\, 4\,]\;]$$

$$7 \quad 2 \quad 1 \quad 3 \quad 4 \; \longrightarrow \text{Preorder Traversal}$$