14 .Write a C program to implement the Tree Traversals (Inorder, Preorder, Postorder)

**Aim**

To write a C program that implements binary tree traversals:

* Inorder Traversal (L → Root → R)
* Preorder Traversal (Root → L → R)
* Postorder Traversal (L → R → Root)

**Algorithm**

Step 1: Define a structure for tree nodes

Each node contains data, left child pointer, and right child pointer.

Step 2: Create a new node function

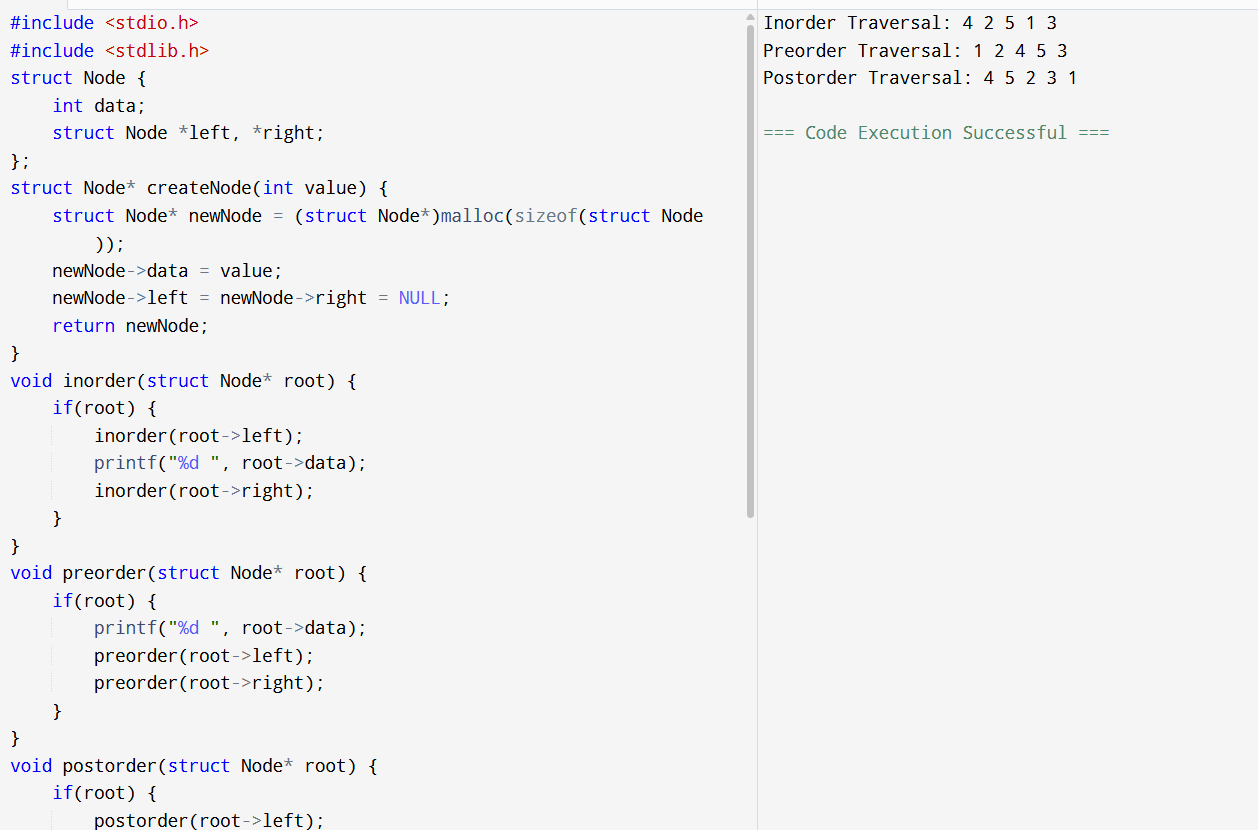
Allocate memory dynamically for a new node and assign data.

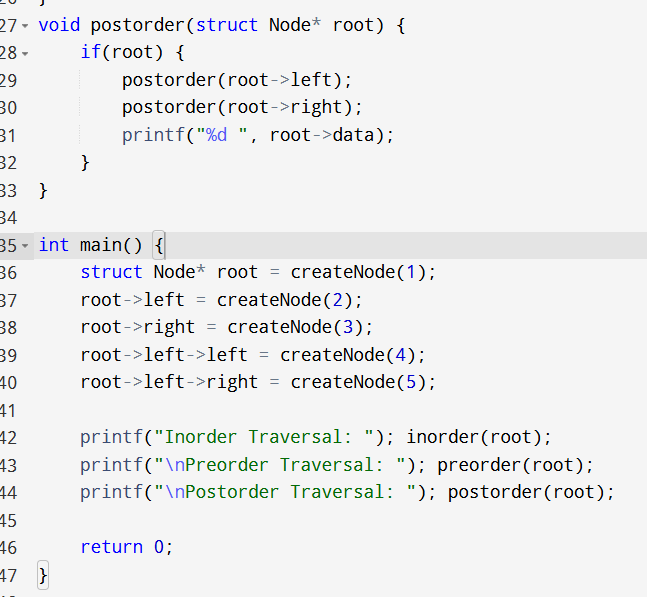
Step 3: Implement Traversal Functions

1. Inorder Traversal
   * Traverse left subtree
   * Visit root node
   * Traverse right subtree
2. Preorder Traversal
   * Visit root node
   * Traverse left subtree
   * Traverse right subtree
3. Postorder Traversal
   * Traverse left subtree
   * Traverse right subtree
   * Visit root node

Step 4: Build a binary tree (manual or using function).

Step 5: Call traversal functions and print nodes.

**Program**

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