```
PROGRAM:
#include <stdio.h>
#include <stdlib.h>
struct Node {
    int data;
    struct Node* left;
   struct Node* right;
};
struct Node* createNode(int data) {
    struct Node* node = (struct Node*)malloc(sizeof(struct Node));
    node->data = data;
    node->left = NULL;
    node->right = NULL;
    return node;
}
struct Node* createTree(int data) {
    struct Node* root = createNode(data);
    return root;
}
void insertLeftRight(struct Node* root, int dataLeft, int dataRight)
    root->left = createNode(dataLeft);
    root->right = createNode(dataRight);
}
void printPreorder(struct Node* root) {
    if (root == NULL) return;
    printf("%d", root->data);
    printPreorder(root->left);
    printPreorder(root->right);
}
void printPostorder(struct Node* root) {
    if (root == NULL) return;
    printPostorder(root->left);
    printPostorder(root->right);
    printf("%d", root->data);
}
void printInorder(struct Node* root) {
    if (root == NULL) return;
    printInorder(root->left);
    printf("%d", root->data);
    printInorder(root->right);
```

OUTPUT:

PS C:\DevParapalli\Projects\RTMNU-SEM-4> & 'c:\Users\parap\.vscode\extensions\ms-vscode.cpptools-1.14.5-win32-x64\debugAdapters\bin\WindowsDebugLauncher.exe' '--stdin=Microsoft-MIEngine-In-t2t1b4 dc.yzt' '--stdout=Microsoft-MIEngine-Out-t2wlbl0o.1ql' '--stderr=Microsoft-MIEngine-Error-5bef2ws0 .fdr' '--pid=Microsoft-MIEngine-Pid-m5jdjcxf.wm3' '--dbgExe=C:\msys64\mingw64\bin\gdb.exe' '--interpreter=mi'

Preorder:1245367 Inorder:4251637 Postorder:4526731

PS C:\DevParapalli\Projects\RTMNU-SEM-4>

```
int main() {
    struct Node* root = createTree(1);
    insertLeftRight(root, 2, 3);
    insertLeftRight(root->left, 4, 5);
    insertLeftRight(root->right, 6, 7);

    printf("\nPreorder:");
    printPreorder(root);

    printf("\nInorder:");
    printInorder(root);

    printf("\nPostorder:");
    printPostorder(root);

    return 0;
}
```