```
#include <stdio.h>
#include <stdlib.h>
struct Node {
  int data;
  struct Node *left, *right;
};
struct Node* createNode(int value) {
  struct Node* newNode = (struct Node*) malloc(sizeof(struct Node));
  newNode->data = value;
  newNode->left = newNode->right = NULL;
  return newNode;
}
void inorder(struct Node* root) {
  if (root != NULL) {
    inorder(root->left);
    printf("%d ", root->data);
    inorder(root->right);
  }
}
void preorder(struct Node* root) {
  if (root != NULL) {
    printf("%d ", root->data);
    preorder(root->left);
    preorder(root->right);
  }
}
void postorder(struct Node* root) {
  if (root != NULL) {
    postorder(root->left);
```

```
postorder(root->right);
    printf("%d ", root->data);
  }
}
int main() {
  struct Node* root = createNode(1);
  root->left = createNode(2);
  root->right = createNode(3);
  root->left->left = createNode(4);
  root->left->right = createNode(5);
  printf("Inorder Traversal: ");
  inorder(root);
  printf("\nPreorder Traversal: ");
  preorder(root);
  printf("\nPostorder Traversal: ");
  postorder(root);
  return 0;
}
```

```
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                                                                                       Output
 1 #include <stdio.h>
2 #include <stdlib.h>
                                                                                     Inorder Traversal: 4 2 5 1 3
                                                                                     Preorder Traversal: 1 2 4 5 3
                                                                                     Postorder Traversal: 4 5 2 3 1
 3 - struct Node {
        int data;
         struct Node *left, *right;
 7 struct Node* createNode(int value) {
         struct Node* newNode = (struct Node*) malloc(sizeof(struct Node
         newNode->data = value;
newNode->left = newNode->right = NULL;
         return newNode;
12 }
13 void inorder(struct Node* root) {
         if (root != NULL) {
             inorder(root->left);
             printf("%d ", root->data);
             inorder(root->right);
20 - void preorder(struct Node* root) {
21 ·
22
        if (root != NULL) {
    printf("%d ", root->data);
    preorder(root->left);
             preorder(root->right);
27 void postorder(struct Node* root) {
```