

C:\Users\Deekshitha Reddy\OneDrive\Documents\Untitled1.cpp - [Executing] - Dev-C++ 5.11

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(globals)

Project Classes Debug

Untitled1.cpp

```
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 struct Node {
5     int data;
6     struct Node *left, *right;
7 };
8
9 struct Node* newnode(int val) {
10     struct Node* node = (struct Node*)malloc(sizeof(struct Node));
11     node->data = val;
12     node->left = node->right = NULL;
13     return node;
14 }
15
16 void inorder(struct Node* root) {
17     if (root) {
18         inorder(root->left);
19         printf("%d ", root->data);
20         inorder(root->right);
21     }
22 }
23
24 void preorder(struct Node* root) {
25     if (root) {
26         printf("%d ", root->data);
27         preorder(root->left);
28         preorder(root->right);
29     }
30 }
31
32 void postorder(struct Node* root) {
33     if (root) {
34         postorder(root->left);
35         postorder(root->right);
36         printf("%d ", root->data);
37     }
38 }
39
40 int main() {
41     struct Node* root = newnode(1);
42     root->left = newnode(2);
43     root->right = newnode(3);
44     root->left->left = newnode(4);
45     root->left->right = newnode(5);
46
47     printf("Inorder: "); inorder(root); printf("\n");
48     printf("Preorder: "); preorder(root); printf("\n");
49     printf("Postorder: "); postorder(root); printf("\n");
50     return 0;
51 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Output Filename: C:\Users\Deekshitha Reddy\OneDrive\Documents\Untitled1.cpp
Output Size: 129.23828125 KiB
Compilation Time: 0.39s

Shorten compiler paths

Line: 36 Col: 1 Sel: 0 Lines: 49 Length: 1160 Insert Done parsing in 0.063 seconds

C:\Users\Deekshitha Reddy\O x + v

Inorder: 4 2 5 1 3
Preorder: 1 2 4 5 3
Postorder: 4 5 2 3 1

Process exited after 0.175 seconds with return value 0
Press any key to continue . . .