

C:\Users\jana\OneDrive\Documents\EX 10.cpp - [Executing] - Dev-C++ 5.11

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(globals)

Project Classes Debug EX 1.cpp EX 2.cpp EX 3.cpp EX 4.cpp EX 5.cpp EX 6.cpp EX 7.cpp EX 8.cpp EX 9.cpp EX 10.cpp

```
1 #include <stdio.h>
2 #include <stdlib.h>
3
4 struct Node {
5     int data;
6     struct Node *next;
7 };
8
9 struct Node* createNode(int val) {
10     struct Node *newNode = (struct Node*)malloc(sizeof(struct Node));
11     newNode->data = val;
12     newNode->next = NULL;
13     return newNode;
14 }
15
16 void insertEnd(struct Node **head, int val) {
17     struct Node *newNode = createNode(val);
18     if (*head == NULL)
19         *head = newNode;
20     else {
21         struct Node *temp = *head;
22         while (temp->next)
23             temp = temp->next;
24         temp->next = newNode;
25     }
26 }
```

Compiler Resources Compile Log Debug Find Results Close

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\jana\OneDrive\Documents\EX 10.exe
- Output Size: 128.7060546875 KiB
- Compilation Time: 0.19s

Line: 44 Col: 1 Sel: 0 Lines: 44 Length: 904 Insert Done parsing in 0.016 seconds

C:\Users\jana\OneDrive\Documents\EX 10.exe

```
5 -> 15 -> 25 -> NULL
-----
Process exited after 0.1153 seconds with return value 0
Press any key to continue . . .
```


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```
20 else {
21     struct Node *temp = *head;
22     while (temp->next)
23         temp = temp->next;
24     temp->next = newNode;
25 }
26
27
28 void display(struct Node *head) {
29     while (head) {
30         printf("%d -> ", head->data);
31         head = head->next;
32     }
33     printf("NULL\n");
34 }
35
36 int main() {
37     struct Node *head = NULL;
38     insertEnd(&head, 5);
39     insertEnd(&head, 15);
40     insertEnd(&head, 25);
41     display(head);
42     return 0;
43 }
44
```

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