

D:\DS_ALGO\LINKED_LIST_CLASSROOM.cpp - [Executing] - Dev-C++ 5.11

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(globals)

Project Classes Debug LINKED_LIST_CLASSROOM.cpp

```
1 #include<stdio.h>
2 #include<stdlib.h>
3 struct node{
4     int data;
5     struct node* next;
6 };
7 struct node* head=NULL;
8 struct node* last = NULL;
9 void create();
10 void display();
11 int main()
12 {
13     int choice,c;
14     while(1)
15     {
16         printf("PRESS 1 TO CREATE LINKED LIST\n");
17         printf("PRESS 2 TO DISPLAY LINKED LIST\n");
18         printf("PRESS 6 TO EXIT FROM LINKED LIST\n");
19         printf("ENTER YOUR CHOICE\n");
20         scanf("%d",&choice);
21         switch(choice)
22         {
23             case 1:
24                 create();
25                 break;
26             case 2:
27                 display();
28                 break;
29             case 6:
30                 exit(0);
31             default:
32                 printf("WRONG CHOICE\n");
33         }
34     }
35     return 0;
36 }
37 void create()
38 {
39     struct node* temp;
40     temp = (struct node*)malloc(sizeof(struct node));
41     scanf("%d",&temp->data);
42     temp->next = NULL;
43     if(head==NULL)
44     {
45
```

Line: 35 Col: 14 Sel: 0 Lines: 66 Length: 1013 Insert Done parsing in 0 seconds

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```
23         case 1:
24             create();
25             break;
26         case 2:
27             display();
28             break;
29         case 6:
30             exit(0);
31         default:
32             printf("WRONG CHOICE\n");
33     }
34 }
35 return 0;
36 }
37 void create()
38 {
39     struct node* temp;
40     temp = (struct node*)malloc(sizeof(struct node));
41     scanf("%d",&temp->data);
42     temp->next = NULL;
43     if(head==NULL)
44     {
45         head = temp;
46         last = temp;
47     }
48     else
49     {
50         last->next=temp;
51         last = temp;
52     }
53 }
54 void display()
55 {
56     struct node*t;
57     t = head;
58     while(t!=NULL)
59     {
60         printf("%d->",t->data);
61         t = t->next;
62     }
63     printf("\n");
64 }
65 }
66
```

Line: 35 Col: 14 Sel: 0 Lines: 66 Length: 1013 Insert Done parsing in 0 seconds

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```
DADS_ALGO\LINKED_LIST_CLASSROOM.exe
PRESS 1 TO CREATE LINKED LIST
PRESS 2 TO DISPLAY LINKED LIST
PRESS 6 TO EXIT FROM LINKED LIST
ENTER YOUR CHOICE
1
10
PRESS 1 TO CREATE LINKED LIST
PRESS 2 TO DISPLAY LINKED LIST
PRESS 6 TO EXIT FROM LINKED LIST
ENTER YOUR CHOICE
1
12
PRESS 1 TO CREATE LINKED LIST
PRESS 2 TO DISPLAY LINKED LIST
PRESS 6 TO EXIT FROM LINKED LIST
ENTER YOUR CHOICE
1
18
PRESS 1 TO CREATE LINKED LIST
PRESS 2 TO DISPLAY LINKED LIST
PRESS 6 TO EXIT FROM LINKED LIST
ENTER YOUR CHOICE
1
90
PRESS 1 TO CREATE LINKED LIST
PRESS 2 TO DISPLAY LINKED LIST
PRESS 6 TO EXIT FROM LINKED LIST
ENTER YOUR CHOICE
2
10->12->18->90->
PRESS 1 TO CREATE LINKED LIST
PRESS 2 TO DISPLAY LINKED LIST
PRESS 6 TO EXIT FROM LINKED LIST
ENTER YOUR CHOICE
6
```