

File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help

<global> remove_duplicate(NODE head) : void

Start here x Rem_dup_node.c x

```
1  #include<stdio.h>
2  #include<stdlib.h>
3  struct node
4  {
5      int data;
6      struct node* next;
7  };
8  typedef struct node *NODE;
9
10 NODE getnode()
11 {
12     NODE temp;
13     temp=malloc(sizeof(NODE));
14     if(temp==NULL)
15     {
16         printf("NOT CREATED\n");
17         exit(0);
18     }
19     temp->next = NULL;
20     return temp;
21 }
22
23 void display(NODE head)
24 {
25     NODE temp=NULL;
26     if(head==NULL)
```

Logs & others

Code::Blocks x Search results x Cccc x Build log x Build messages x CppCheck/Vera++ x CppCheck/Vera++ messages x Cscope x Debugger x DoxyBlocks x Fortran x

File	L...	Message
		=== Build file: "no target" in "no project" (compiler: unkn...
		=== Build finished: 0 error(s), 0 warning(s) (0 minute(s), ...



```
24 {
25     NODE temp=NULL;
26     if(head==NULL)
27     {
28         printf("EMPTY!\n");
29     }
30     else
31     {
32         temp=head;
33         printf("head-> ");
34         while(temp!=NULL)
35         {
36             printf("%d -> ",temp->data);
37             temp=temp->next;
38         }
39         printf("NULL\n");
40     }
41 }
42
43 NODE insert(int item,NODE head)
44 {
45     NODE temp,cur;
46     temp=getnode();
47     temp->data=item;
48     if(head==NULL)
49         return temp;
```

Logs & others

Code::Blocks		
File	L...	Message
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		=== Build finished: 0 error(s), 0 warning(s) (0 minute(s), ...



```
Start here x Rem_dup_node.c x
49     return temp;
50     cur=head;
51     while(cur->next!=NULL)
52     {
53         cur=cur->next;
54     }
55     cur->next=temp;
56     return head;
57 }
58
59 void remove_duplicate(NODE head)
60 {
61     NODE cur=head,index=NULL,temp=NULL;
62     if(head==NULL)
63     {
64         return;
65     }
66     else
67     {
68         while(cur!=NULL) {
69             temp=cur;
70             index=cur->next;
71             while(index!= NULL)
72             {
73                 if(cur->data==index->data)
74                 {
```

Logs & others

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```
Start here x Rem_dup_node.c x
74 {
75     temp->next=index->next;
76 }
77 else
78 {
79     temp=index;
80 }
81 index=index->next;
82 }
83 cur=cur->next;
84 }
85 }
86 }
87
88 void main()
89 {
90     NODE head=NULL;
91     int choice,item;
92     while(1)
93     {
94         printf("1.INSERT REAR\n2.DISPLAY\n3.REMOVE DUPLICATES [IF ANY]\n4.EXIT\n\nENTER CHOICE\n");
95         scanf("%d",&choice);
96         switch(choice)
97         {
98             case 1: printf("ENTER ITEM TO BE INSERTED\n");
99                     scanf("%d",&item);
```

Code::Blocks x Search results x Cccc x Build log x Build messages x CppCheck/Vera++ x CppCheck/Vera++ messages x Cscope x Debugger x DoxyBlocks x Fortran x

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```
Start here x Rem_dup_node.c x
90     NODE head=NULL;
91     int choice,item;
92     while(1)
93     {
94         printf("1.INSERT REAR\n2.DISPLAY\n3.REMOVE DUPLICATES [IF ANY]\n4.EXIT\n\nENTER CHOICE\n");
95         scanf("%d",&choice);
96         switch(choice)
97         {
98             case 1: printf("ENTER ITEM TO BE INSERTED\n");
99                     scanf("%d",&item);
100                    head=insert(item,head);
101                    break;
102             case 2: printf("DISPLAY\n");
103                     display(head);
104                     break;
105             case 3: printf("REMOVE DUPLICATE\n");
106                     remove_duplicate(head);
107                     break;
108             case 4: printf("END\n");
109                     exit(0);
110                     break;
111             default:printf("INVALID CHOICE!\n");
112         }
113     }
114 }
115
```

Logs & others

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File	L...	Message
		=== Build file: "no target" in "no project" (compiler: unkn...
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"C:\Users\vivek\OneDrive\Documents\II Sem\DataStructuresInC\Programs\Rem_dup_node.exe"

1.INSERT REAR
2.DISPLAY
3.REMOVE DUPLICATES [IF ANY]
4.EXIT

ENTER CHOICE

1

ENTER ITEM TO BE INSERTED

10

1.INSERT REAR
2.DISPLAY
3.REMOVE DUPLICATES [IF ANY]
4.EXIT

ENTER CHOICE

1

ENTER ITEM TO BE INSERTED

20

1.INSERT REAR
2.DISPLAY
3.REMOVE DUPLICATES [IF ANY]
4.EXIT

ENTER CHOICE

1

ENTER ITEM TO BE INSERTED

30

1.INSERT REAR
2.DISPLAY
3.REMOVE DUPLICATES [IF ANY]
4.EXIT

ENTER CHOICE

1

ENTER ITEM TO BE INSERTED

20

1.INSERT REAR
2.DISPLAY
3.REMOVE DUPLICATES [IF ANY]
4.EXIT



17:59
2021-06-07



"C:\Users\vivek\OneDrive\Documents\II Sem\DataStructuresInC\Programs\Rem_dup_node.exe"

```
ENTER CHOICE
2
DISPLAY
head-> 10 -> 20 -> 30 -> 20 -> NULL
1.INSERT REAR
2.DISPLAY
3.REMOVE DUPLICATES [IF ANY]
4.EXIT
```

```
ENTER CHOICE
3
REMOVE DUPLICATE
1.INSERT REAR
2.DISPLAY
3.REMOVE DUPLICATES [IF ANY]
4.EXIT
```

```
ENTER CHOICE
2
DISPLAY
head-> 10 -> 20 -> 30 -> NULL
1.INSERT REAR
2.DISPLAY
3.REMOVE DUPLICATES [IF ANY]
4.EXIT
```

```
ENTER CHOICE
4
END
```

Process returned 0 (0x0) execution time : 75.196 s
Press any key to continue.



18:00
2021-06-07