

```
[*] edit.c [*] Untitled1 confusion.c madam.c areyaar.c
1  #include <stdio.h>
2  #include <conio.h>
3  #include <stdlib.h>
4  struct node
5  {
6      int info;
7      struct node *link;
8  };
9  typedef struct node *NODE;
10 NODE getnode()
11 {
12     NODE x;
13     x = (NODE) malloc(sizeof(struct node));
14     if (x == NULL)
15     {
16         printf("mem full\n");
17         exit(0);
18     }
19     return x;
20 }
21 void freenode(NODE x)
22 {
23     free(x);
24 }
25 NODE insert_front(NODE first, int item)
26 {
27     NODE temp;
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\asus\OneDrive\areyaar.exe
- Output Size: 131.0234375 KiB
- Compilation Time: 1.08s
```

Line: 243 Col: 2 Sel: 0 Lines: 243 Length: 4376 Insert Done parsing in 0.031 seconds

[*] edit.c [*] Untitled1 confusion.c madam.c areyaar.c

```
40 if (first == NULL)
41 {
42     printf("List is empty cannot delete\n");
43     return first;
44 }
45 temp = first;
46 temp = temp->link;
47 printf("Item deleted at front-end is=%d\n", first->info);
48 free(first);
49 return temp;
50 }
51 NODE insert_rear(NODE first, int item)
52 {
53     NODE temp, cur;
54     temp = getnode();
55     temp->info = item;
56     temp->link = NULL;
57     if (first == NULL)
58         return temp;
59     cur = first;
60     while (cur->link != NULL)
61         cur = cur->link;
62     cur->link = temp;
63     return first;
64 }
65 NODE delete_rear(NODE first)
66 {
```

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(globals)

TDM-GCC 4.9.2 64-bit Release

[*] edit.c [*] Untitled1 confusion.c madam.c areyaar.c

```
64 }
65 NODE delete_rear ( NODE first )
66 {
67     NODE cur, prev;
68     if ( first == NULL )
69     {
70         printf ( "List is empty cannot delete\n" );
71         return first;
72     }
73     if ( first->link == NULL )
74     {
75         printf ( "Item deleted is %d\n", first->info );
76         free ( first );
77         return NULL;
78     }
79     prev = NULL;
80     cur = first;
81     while ( cur->link != NULL )
82     {
83         prev = cur;
84         cur = cur->link;
85     }
86     printf ( "Item deleted at rear-end is %d", cur->info );
87     free ( cur );
88     prev->link = NULL;
89     return first;
90 }
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

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(globals)

TDM-GCC 4.9.2 64-bit Release

```
[*] edit.c [*] Untitled1 confusion.c madam.c areyaar.c
91 NODE order_list (int item, NODE first)
92 {
93     NODE temp, prev, cur;
94     temp = getnode();
95     temp->info = item;
96     temp->link = NULL;
97     if (first == NULL) return temp;
98     if (item < first->info)
99     {
100         temp->link = first;
101         return temp;
102     }
103     prev = NULL;
104     cur = first;
105     while (cur != NULL && item > cur->info)
106     {
107         prev = cur;
108         cur = cur->link;
109     }
110     prev->link = temp;
111     temp->link = cur;
112     return first;
113 }
114 NODE sort (NODE first)
115 {
116     int swapped;
117     NODE ptr1;
```

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(globals)

TDM-GCC 4.9.2 64-bit Release

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```
112 | return first;
113 | }
114 | NODE sort ( NODE first )
115 | {
116 |     int swapped;
117 |     NODE ptr1;
118 |     NODE lptr = NULL;
119 |     if ( first == NULL )
120 |         return NULL;
121 |     do
122 |     {
123 |         swapped = 0;
124 |         ptr1 = first;
125 |
126 |         while ( ptr1->link != lptr )
127 |         {
128 |             if ( ptr1->info > ptr1->link->info )
129 |             {
130 |
131 |                 int tem = ptr1->info;
132 |                 ptr1->info = ptr1->link->info;
133 |                 ptr1->link->info = tem;
134 |                 swapped = 1;
135 |             }
136 |             ptr1 = ptr1->link;
137 |         }
138 |         lptr = ptr1;
```

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(globals)

TDM-GCC 4.9.2 64-bit Release

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```
217 {
218     printf("Enter the item\n");
219     scanf("%d", &item);
220     a = insert_rear(a, item);
221 }
222 printf("Enter the no of nodes in 2\n");
223 scanf("%d", &n);
224 b = NULL;
225 for (i = 0; i < n; i++)
226 {
227     printf("Enter the item\n");
228     scanf("%d", &item);
229     b = insert_rear(b, item);
230 }
231 a = concat(a, b);
232 display(a);
233 break;
234 case 9: first = reverse(first);
235     display(first);
236     break;
237 case 10: exit(0);
238     break;
239 default: printf("Invalid choice\n");
240 }
241 }
242
243
```

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C:\Users\asus\OneDrive\areyaar.exe

```
1:Insert_front
2:Delete_front
3:Insert_rear
4:Delete_rear
5:Order_list
6:Sort_list
7:Display_list
8:Concat
9:Reverse
10:Exit
Enter the choice
```

```
1
Enter the item at front-end
1
```

```
1:Insert_front
2:Delete_front
3:Insert_rear
4:Delete_rear
5:Order_list
6:Sort_list
7:Display_list
8:Concat
9:Reverse
10:Exit
Enter the choice
```

```
1
Enter the item at front-end
78
```

```
1:Insert_front
2:Delete_front
3:Insert_rear
4:Delete_rear
5:Order_list
6:Sort_list
7:Display_list
8:Concat
9:Reverse
10:Exit
Enter the choice
```

```
1
Enter the item at front-end
09
```

```
1:Insert_front
2:Delete_front
3:Insert_rear
4:Delete_rear
```

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C:\Users\asus\OneDrive\areyaar.exe

```
6:Sort_list
7:Display_list
8:Concat
9:Reverse
10:Exit
Enter the choice
6

1:Insert_front
2:Delete_front
3:Insert_rear
4:Delete_rear
5:Order_list
6:Sort_list
7:Display_list
8:Concat
9:Reverse
10:Exit
Enter the choice
7
Contents of the list:
1
9
78

1:Insert_front
2:Delete_front
3:Insert_rear
4:Delete_rear
5:Order_list
6:Sort_list
7:Display_list
8:Concat
9:Reverse
10:Exit
Enter the choice
8
Enter the no of nodes in 1
3
Enter the item
12
Enter the item
13
Enter the item
14
Enter the no of nodes in 2
3
Enter the item
15
```


C:\Users\asus\OneDrive\areyaar.exe

Enter the item
15
Enter the item
16
Enter the item
17
Contents of the list:
12
13
14
15
16
17

1:Insert_front
2:Delete_front
3:Insert_rear
4:Delete_rear
5:Order_list
6:Sort_list
7:Display_list
8:Concat
9:Reverse
10:Exit

Enter the choice
9
Contents of the list:
78
9
1

1:Insert_front
2:Delete_front
3:Insert_rear
4:Delete_rear
5:Order_list
6:Sort_list
7:Display_list
8:Concat
9:Reverse
10:Exit
Enter the choice

Search



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