

C:\Users\Aruna Ravi\Documents\linklist.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug

linklist.cpp

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

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Compilation results...

-----  
- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\Aruna Ravi\Documents\linklist.exe  
- Output Size: 129.9501953125 KiB  
- Compilation Time: 0.30s

Line: 89 Col: 6 Sel: 0 Lines: 95 Length: 1474 Insert Done parsing in 0 seconds



Type here to search



12:28 PM  
11/18/2020

C:\Users\Aruna Ravi\Documents\linkedList.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug

linkedList.cpp

```
31 temp->link=NULL;
32 if(first==NULL)
33 return temp;
34 temp->link=first;
35 first=temp;
36 return first;
37 }
38
39 NODE insert_rear(NODE first,int item)
40 {
41     NODE temp,cur;
42     temp=getnode();
43     temp->info=item;
44     temp->link=NULL;
45     if(first==NULL)
46         return temp;
47     cur=first;
48     while(cur->link!=NULL)
49         cur=cur->link;
50     cur->link=temp;
51     return first;
52 }
53
54 void display(NODE first)
55 {
56     NODE temp;
57     if(first==NULL)
58         printf("list empty cannot display items\n");
59     for(temp=first;temp!=NULL;temp=temp->link)
60     {
61         printf("%d\n",temp->info);
62     }
63 }
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Compilation results...

-----  
- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\Aruna Ravi\Documents\linkedList.exe  
- Output Size: 129.9501953125 KiB  
- Compilation Time: 0.30s

Line: 89 Col: 6 Sel: 0 Lines: 95 Length: 1474 Insert Done parsing in 0 seconds



Type here to search



ENG

12:28 PM  
11/18/2020

C:\Users\Aruna Ravi\Documents\linkedList.cpp - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug

linkedList.cpp

```
64
65 int main()
66 {
67     int item,choice,pos;
68     NODE first=NULL;
69
70     for(;;)
71     {
72         printf("\n 1:Insert_front\n 2:Insert_rear\n 3:display_list\n 4:Exit\n");
73         printf("enter the choice\n");
74         scanf("%d",&choice);
75         switch(choice)
76         {
77             case 1:printf("enter the item at front-end\n");
78                     scanf("%d",&item);
79                     first=insert_front(first,item);
80                     break;
81
82             case 2:printf("enter the item at rear-end\n");
83                     scanf("%d",&item);
84                     first=insert_rear(first,item);
85                     break;
86
87             case 3:display(first);
88                     break;
89
90             default:exit(0);
91                     break;
92         }
93     }
94     return 0;+
95 }
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Compilation results...

-----  
- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\Aruna Ravi\Documents\linkedList.exe  
- Output Size: 129.9501953125 KiB  
- Compilation Time: 0.30s

Line: 89 Col: 6 Sel: 0 Lines: 95 Length: 1474 Insert Done parsing in 0 seconds



Type here to search



12:28 PM  
11/18/2020

C:\Users\Aruna Ravi\Documents\linkedList.exe

```
1:Insert_front
2:Insert_rear
3:display_list
4:Exit
enter the choice
1
enter the item at front-end
3

1:Insert_front
2:Insert_rear
3:display_list
4:Exit
enter the choice
1
enter the item at front-end
4

1:Insert_front
2:Insert_rear
3:display_list
4:Exit
enter the choice
2
enter the item at rear-end
5

1:Insert_front
2:Insert_rear
3:display_list
4:Exit
enter the choice
2
enter the item at rear-end
6

1:Insert_front
2:Insert_rear
3:display_list
4:Exit
enter the choice
3
4
3
2
5
6

1:Insert_front
2:Insert_rear
```



Type here to search



ENG

12:30 PM  
11/18/2020