



```
28
29
30 void dequeue()
31 {
32     struct node *ptr = front;
33     if(front == NULL)
34     {
35         rear = NULL;
36         printf("underflow");
37         return;
38     }
39     front = front->next;
40     printf("dequeued element=%d", ptr->data);
41     free(ptr);
42 }
43
44 void display()
45 {
46     struct node *ptr = front;
47     if(front == NULL)
48     {
49         printf("empty queue");
50         return;
51     }
52     while(ptr != NULL)
53     {
54         printf("%t\t%d", ptr->data);
55         ptr = ptr->next;
56     }
57 }
58
59 int main()
60 {
61     int c, num;
62     printf("\nenter your choice:\n");
63     printf("*****MENU*****\n1.enqueue\n2.dequeue\n3.display\n4.exit\n");
64     scanf("%d", &c);
65
66     while(c != 4)
67     {
68         switch(c)
```

```
D:\1BM23CS245\queue_linked_list\bin\Debug\queue_linked_list.exe
enter data:2
node enqueued
enter your choice:
*****MENU*****
1.enqueue
2.dequeue
3.display
4.exit
1
enter data:3
node enqueued
enter your choice:
*****MENU*****
1.enqueue
2.dequeue
3.display
4.exit
3
1 2 3
enter your choice:
*****MENU*****
1.enqueue
2.dequeue
3.display
4.exit
2
dequeued element=1
enter your choice:
*****MENU*****
1.enqueue
2.dequeue
3.display
4.exit
2
dequeued element=2
enter your choice:
*****MENU*****
1.enqueue
```

Set variable: PATH=C:\MinGW\bin;C:\MinGW\bin;C:\Windows\System32;C:\Windows\System32\wbem;C:\Users\Admin\AppData\Local\Programs\Python\Python312\Scripts;C:\Users\Admin\AppData\Local\Programs\Python\Python312\bin;C:\Program Files\Common Files\Oracle\Java\javapath;C:\Windows\System32\WindowsPowerShell\v1.0;C:\Windows\System32\OpenSSH;C:\Program Files\CodeBlocks\bin\bin;C:\Users\Admin\Downloads\mongodb-1.6.2-win32-x64\bin;C:\Users\Admin\Downloads\mongodb-1.6.2-win32-x64\bin;C:\Program Files\Java\jdk-19\bin;C:\Program Files\Docker\Docker\resources\bin;C:\Program Files\nodejs\bin;C:\ProgramData\chocolatey\bin;C:\Program Files\Git\cmd;C:\Users\Admin\anaconda3\bin;C:\Users\Admin\anaconda3\Library\mingw-w64\bin;C:\Users\Admin\anaconda3\Library\usr\bin;C:\Users\Admin\anaconda3\Scripts;C:\Program Files\MySQL\MySQL Shell 8.0\bin;C:\Users\Admin\AppData\Local\Microsoft\WindowsApps;C:\Program Files\MySQL\MySQL Workbench 8.0\bin;C:\Users\Admin\AppData\Local\Programs\Microsoft VS Code\bin;D:\MONGODB\mongodb-1.6.2-win32-x64\bin;D:\MONGODB\mongodb-1.6.2-win32-x64\bin;C:\Users\Admin\AppData\Local\GitHubDesktop\bin;C:\Users\Admin\AppData\Local\Programs\mongodb-1.6.2-win32-x64\bin;C:\Users\Admin\AppData\Local\Programs\mongodb-1.6.2-win32-x64\bin;C:\Users\Admin\AppData\Roaming\npm;C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2024.2.4\bin

Executing: "C:\Program Files\CodeBlocks\cb\_console\_runner.exe" "D:\1BM23CS245\queue\_linked\_list\bin\Debug\queue\_linked\_list.exe" (in D:\1BM23CS245\queue\_linked\_list\.)

queue\_ll.c [queue\_linked\_list] - Code::Blocks 20.03

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INT\_MAX

enqueue(int num) : void

Management

Projects Files FSymbols

Workspace

queue\_linked\_list

stack\_using\_ll

Sources

sort\_reverse\_concat

Sources

queue\_ll.c

linked\_list\_stack.c

linked\_list.c

```
48 printf("empty queue");
49 return;
50
51 while(ptr != NULL)
52 {
53     printf("%t\t%d", ptr->data);
54     ptr = ptr->next;
55 }
56
57
58
59 int main()
60 {
61     int c, num;
62     printf("\nenter your choice:\n");
63     printf("*****MENU*****\n1.enqueue\n2.dequeue\n3.display\n4.exit\n");
64     scanf("%d", &c);
65
66     while(c != 4)
67     {
68         switch(c)
69         {
70             case 1: printf("enter data:");
71                     scanf("%d", &num);
72                     enqueue(num);
73                     break;
74
75             case 2: dequeue();
76                     break;
77
78             case 3: display();
79                     break;
80
81             }
82     printf("\nenter your choice:\n");
83     printf("*****MENU*****\n1.enqueue\n2.dequeue\n3.display\n4.exit\n");
84     scanf("%d", &c);
85
86     }
87     return 0;
88 }
```

D:\IBM23CS245\queue\_linked\_list\bin\Debug\queue\_linked\_list.exe

2 dequeued element=2  
enter your choice:  
\*\*\*\*\*MENU\*\*\*\*\*  
1.enqueue  
2.dequeue  
3.display  
4.exit  
3  
3  
enter your choice:  
\*\*\*\*\*MENU\*\*\*\*\*  
1.enqueue  
2.dequeue  
3.display  
4.exit  
1  
enter data:1  
node enqueued  
enter your choice:  
\*\*\*\*\*MENU\*\*\*\*\*  
1.enqueue  
2.dequeue  
3.display  
4.exit  
3  
3 1  
enter your choice:  
\*\*\*\*\*MENU\*\*\*\*\*  
1.enqueue  
2.dequeue  
3.display  
4.exit  
4  
Process returned 0 (0x0) execution time : 45.922 s  
Press any key to continue.

Logs & others

Code::Blocks Search results Cccc Build log Build messages CppCheck/Vera++ CppCheck/Vera++ messages Cscope Debugger DoxyBlocks Fortran info Closed files list Thread search

Set variable: PATH=.;C:\MinGW\bin;C:\MinGW\bin;C:\Windows\System32;C:\Windows\System32\wbem;C:\Users\Admin\AppData\Local\Programs\Python\Python312\Scripts;C:\Users\Admin\AppData\Local\Programs\Python\Python312;C:\Program Files (Common Files)\Oracle\Java\javapath;C:\Windows\System32\WindowsPowerShell\v1.0;C:\Windows\System32\OpenSSH;C:\Program Files\CodeBlocks\MinGW\bin;C:\Users\Admin\Downloads\mongosh-1.6.2-win32-x64 (1)\mongosh-1.6.2-win32-x64\bin;C:\Users\Admin\Downloads\mongosh-1.6.2-win32-x64\bin;C:\Program Files\Java\jdk-19\bin;C:\Program Files\Docker\Docker\resources\bin;C:\Program Files\nodejs\C:\ProgramData\chocolatey\bin;C:\Program Files\Git\cmd;C:\Users\Admin\anaconda3\bin;C:\Users\Admin\anaconda3\Library\mingw-w64\bin;C:\Users\Admin\anaconda3\Library\usr\bin;C:\Users\Admin\anaconda3\Library\bin;C:\Users\Admin\anaconda3\Scripts;C:\Program Files\MySQL\MySQL Shell 8.0\bin;C:\Users\Admin\AppData\Local\Microsoft\WindowsApps;C:\Program Files\MySQL\MySQL Workbench 8.0;C:\Users\Admin\AppData\Local\Programs\Microsoft VS Code\bin;D:\MONGODB\mongosh-1.6.2-win32-x64;D:\MONGODB\mongosh-1.6.2-win32-x64 (1)\mongosh-1.6.2-win32-x64\bin;C:\Users\Admin\AppData\Local\GitHubDesktop\bin;C:\Users\Admin\AppData\Local\Programs\mongosh;C:\Program Files\R\R-4.3.3\bin;C:\Users\Admin\AppData\Roaming\npm;C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2024.2.4\bin  
Executing: "C:\Program Files\CodeBlocks\cb\_console\_runner.exe" "D:\IBM23CS245\queue\_linked\_list\bin\Debug\queue\_linked\_list.exe" (in D:\IBM23CS245\queue\_linked\_list\.)

D:\IBM23CS245\queue\_linked\_list\queue\_ll.c

C/C++ Windows (CR+LF) WINDOWS-1252 Line 20, Col 32, Pos 392 Insert Read/Write default