

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

INT\_MAX <global> push(int num): void

Management Projects Files FSymbols Workspace stack\_using\_ll

linked\_list\_stack.c

```
1 #include<stdio.h>
2 #include<malloc.h>
3 #include<stdlib.h>
4
5 struct node{
6     int data;
7     struct node *next;
8 };
9
10 struct node *top;
11
12 void push(int num)
13 {
14     struct node *newnode;
15     newnode = (struct node*)malloc(sizeof(struct node));
16     if(newnode == NULL)
17     {
18         printf("overflow");
19         return;
20     }
21     newnode->data = num;
22     newnode->next = top;
23     top = newnode;
24     printf("Node pushed");
25 }
26
27 void pop()
28 {
29     struct node *ptr = top;
30     if(top == NULL)
31     {
32         printf("underflow");
33         return;
34     }
35     top = top->next;
36     printf("popped data= %d", ptr->data);
37     free(ptr);
38 }
39
40 void displav()
```

D:\BM23CS245\stack\_using\_ll\bin\Debug\stack\_using\_ll.exe

```
enter your choice:
*****MENU*****
1.push
2.pop
3.display
4.exit
1
enter data:1
Node pushed
enter your choice:
*****MENU*****
1.push
2.pop
3.display
4.exit
1
enter data:2
Node pushed
enter your choice:
*****MENU*****
1.push
2.pop
3.display
4.exit
1
enter data:3
Node pushed
enter your choice:
*****MENU*****
1.push
2.pop
3.display
4.exit
3
```

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\clicli\_1.4.0\_windows\_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;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\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:\BM23CS245\stack\_using\_ll\bin\Debug\stack\_using\_ll.exe" (in D:\BM23CS245\stack\_using\_ll\.)

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

push(int num): void

Management

Projects Files FSymbols

Workspace

stack\_using\_11

linked\_list\_stack.c

```

40 void display()
41 {
42     struct node *ptr = top;
43     if(ptr == NULL)
44     {
45         printf("empty stack");
46         return;
47     }
48     while(ptr != NULL)
49     {
50         printf("%t%d", ptr->data);
51         ptr = ptr->next;
52     }
53 }
54
55 int main()
56 {
57     int c, num;
58     printf("\nenter your choice:\n");
59     printf("*****MENU*****\n1.push\n2.pop\n3.display\n4.exit\n");
60     scanf("%d", &c);
61
62     while(c != 4)
63     {
64         switch(c)
65         {
66             case 1: printf("enter data:");
67                     scanf("%d", &num);
68                     push(num);
69                     break;
70
71             case 2: pop();
72                     break;
73
74             case 3: display();
75                     break;
76
77             }
78         printf("\nenter your choice:\n");
79         printf("*****MENU*****\n1.push\n2.pop\n3.display\n4.exit\n");
80         scanf("%d", &c);
81     }
82 }

```

D:\IBM23CS245\stack\_using\_11\bin\Debug\stack\_using\_11.exe

```

Node pushed
enter your choice:
*****MENU*****
1.push
2.pop
3.display
4.exit
3
3      2      1
enter your choice:
*****MENU*****
1.push
2.pop
3.display
4.exit
2
popped data= 3
enter your choice:
*****MENU*****
1.push
2.pop
3.display
4.exit
2
popped data= 2
enter your choice:
*****MENU*****
1.push
2.pop
3.display
4.exit
3
1
enter your choice:
*****MENU*****

```

Logs & others

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

push(int num): void

INT\_MAX

Management

Projects Files FSymbols

Workspace

stack\_using\_ll

linked\_list\_stack.c

```
45     printf("empty stack");
46     return;
47 }
48 while(ptr != NULL)
49 {
50     printf("%t\t%d", ptr->data);
51     ptr = ptr->next;
52 }
53 }
54
55 int main()
56 {
57     int c, num;
58     printf("\nenter your choice:\n");
59     scanf("*****MENU*****\n1.push\n2.pop\n3.display\n4.exit\n");
60     scanf("%d", &c);
61
62     while(c != 4)
63     {
64         switch(c)
65         {
66             case 1: printf("enter data:");
67                     scanf("%d", &num);
68                     push(num);
69                     break;
70
71             case 2: pop();
72                     break;
73
74             case 3: display();
75                     break;
76
77             }
78     printf("\nenter your choice:\n");
79     printf("*****MENU*****\n1.push\n2.pop\n3.display\n4.exit\n");
80     scanf("%d", &c);
81
82     return 0;
83 }
```

D:\IBM23CS245\stack\_using\_ll\bin\Debug\stack\_using\_ll.exe

```
enter your choice:
*****MENU*****
1.push
2.pop
3.display
4.exit
2
popped data= 1
enter your choice:
*****MENU*****
1.push
2.pop
3.display
4.exit
3
empty stack
enter your choice:
*****MENU*****
1.push
2.pop
3.display
4.exit
2
underflow
enter your choice:
*****MENU*****
1.push
2.pop
3.display
4.exit
3
empty stack
enter your choice:
*****MENU*****
1.push
```

Logs & others

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Set variable: PATH=.;C:\MinGW\bin;C:\MinGW\bin\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\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:\ProgramData\chocolatey\bin;C:\Program Files\Git\cmd;C:\Users\Admin\anaconda3;C:\Users\Admin\anaconda3\Library\mingw-w64\bin;C:\Users\Admin\anaconda3\Library\usr\bin;C:\Users\Admin\anaconda3\Library\bin;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\bin;D:\MONGODB\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

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D:\IBM23CS245\stack\_using\_ll\linked\_list\_stack.c

C/C++ Windows (CR+LF) WINDOWS-1252 Line 24, Col 13, Pos 418 Insert Read/Write default

```
45     printf("empty stack");
46     return;
47 }
48 while(ptr != NULL)
49 {
50     printf("%t%d", ptr->data);
51     ptr = ptr->next;
52 }
53 }
54
55 int main()
56 {
57     int c, num;
58     printf("\nenter your choice:\n");
59     printf("*****MENU*****\n1.push\n2.pop\n3.display\n4.exit\n");
60     scanf("%d", &c);
61
62     while(c != 4)
63     {
64         switch(c)
65         {
66             case 1: printf("enter data:");
67                     scanf("%d", &num);
68                     push(num);
69                     break;
70
71             case 2: pop();
72                     break;
73
74             case 3: display();
75                     break;
76         }
77         printf("\nenter your choice:\n");
78         printf("*****MENU*****\n1.push\n2.pop\n3.display\n4.exit\n");
79         scanf("%d", &c);
80     }
81     return 0;
82 }
83 }
```

```
D:\IBM23CS245\stack_using_ll\bin\Debug\stack_using_ll.exe
*****MENU*****
1.push
2.pop
3.display
4.exit
3
empty stack
enter your choice:
*****MENU*****
1.push
2.pop
3.display
4.exit
2
underflow
enter your choice:
*****MENU*****
1.push
2.pop
3.display
4.exit
3
empty stack
enter your choice:
*****MENU*****
1.push
2.pop
3.display
4.exit
4
Process returned 0 (0x0)   execution time : 25.485 s
Press any key to continue.
```

## Logs &amp; 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 info x Closed files list x Thread search x
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Executing: "C:\Program Files\CodeBlocks\cb_console_runner.exe" "D:\IBM23CS245\stack_using_ll\bin\Debug\stack_using_ll.exe" (in D:\IBM23CS245\stack_using_ll\.)
```