

program1.c [one] - Code::Blocks 20.03

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

INT\_MAX precedence(char c): int

Management Projects Files FSymbols

Workspace one Sources program1.c

```
1 #include<stdio.h>
2 void infixtopostfix(char *infix);
3 void push(char c);
4 char pop();
5 int precedence(char c);
6
7 int top = -1, pos = -1;
8 char stack[40], infix[40], postfix[40];
9
10 int main()
11 {
12     printf("enter the infix expression:");
13     gets(infix);
14     infixtopostfix(infix);
15     printf("The required postfix expression is: %s", postfix);
16     return 0;
17 }
18
19 void infixtopostfix(char* infix)
20 {
21     char c, temp;
22     int i;
23     push('#');
24
25     for (i = 0; infix[i] != '\0'; i++)
26     {
27         c = infix[i];
28         switch(c)
29         {
30             case '(': push(c);
31                 break;
32             case ')': temp = pop();
33                 while(temp != '(')
34                 {
35                     postfix[++pos] = temp;
36                     temp = pop();
37                 }
38                 break;
39             case '+':
40             case '-':
```

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

\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\mongodb-atlas-cli\_1.4.0\_windows\_x86\_64\bin;C:\Program Files\Java\jdk-19\bin;C:\Program Files\Git\cmd;C:\Program Files\Docker\Docker\resources\bin;C:\Program Files\nodejs;C:\ProgramData\chocolatey\bin;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;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

Executing: "C:\Program Files\CodeBlocks\cb\_console\_runner.exe" "D:\IBM23CS245\one\bin\Debug\one.exe" (in D:\IBM23CS245\one\.)

Process terminated with status 0 (0 minute(s), 36 second(s))

D:\IBM23CS245\one\program1.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 81, Col 28, Pos 1749 Insert Read/Write default

21°C Cloudy Search 10:42 16-10-2024

program1.c [one] - Code::Blocks 20.03

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

INT\_MAX <global> precedence(char c): int

Management Projects Files FSymbols

Workspace one Sources program1.c

```
31 break;
32 case ')': temp = pop();
33 while(temp != '(')
34 {
35     postfix[++pos] = temp;
36     temp = pop();
37 }
38 break;
39 case '^':
40 case '/':
41 case '+':
42 case '-':
43 case '*':
44     while(precedence(c) <= precedence(stack[top]))
45     {
46         temp = pop();
47         postfix[++pos] = temp;
48     }
49     push(c);
50     break;
51 default: postfix[++pos] = c;
52 }
53 }
54
55 while(top > 0)
56 {
57     temp = pop();
58     postfix[++pos] = temp;
59 }
60
61 void push(char c)
62 {
63     stack[++top] = c;
64 }
65
66 char pop()
67 {
68     return stack[top--];
69 }
70
```

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

\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\mongodb-atlas-cli\_1.4.0\_windows\_x86\_64\bin;C:\Program Files\Java\jdk-19\bin;C:\Program Files\Git\cmd;C:\Program Files\Docker\Docker\resources\bin;C:\Program Files\nodejs;C:\ProgramData\chocolatey\bin;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;D:\MONGODB\mongosh-1.6.2-win32-x64\bin;C:\Users\Admin\AppData\Roaming\npm\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

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

Process terminated with status 0 (0 minute(s), 36 second(s))

D:\1BM23CS245\one\program1.c C/C++ Windows (CR+LF) WINDOWS-1252 Line 81, Col 28, Pos 1749 Insert Read/Write default

21°C Cloudy Search 10:42 16-10-2024

program1.c [one] - Code::Blocks 20.03

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

INT\_MAX <global> precedence(char c): int

Management

Projects Files FSymbols

Workspace

one

Sources

program1.c

```
46         temp = pop();
47         postfix[++pos] = temp;
48     }
49     push(c);
50     break;
51     default: postfix[++pos] = c;
52 }
53
54
55 while(top > 0)
56 {
57     temp = pop();
58     postfix[++pos] = temp;
59 }
60
61 void push(char c)
62 {
63     stack[++top] = c;
64 }
65
66 char pop()
67 {
68     return stack[top--];
69 }
70
71 int precedence(char c)
72 {
73     switch(c)
74     {
75         case '^': return 3;
76         case '*':
77         case '/':
78             return 2;
79         case '+':
80         case '-': return 1;
81         default: return -1;
82     }
83 }
84
```

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 info x Closed files list x Thread search x

\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\mongodb-atlas-cli\_1.4.0\_windows\_x86\_64\bin;C:\Program Files\Java\jdk-19\bin;C:\Program Files\Git\cmd;C:\Program Files\Docker\Docker\resources\bin;C:\Program Files\nodejs;C:\ProgramData\chocolatey\bin;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;D:\MONGODB\mongosh-1.6.2-win32-x64;C:\Users\Admin\AppData\Local\Programs\mongosh;C:\Program Files\R\R-4.3.3\bin;C:\Users\Admin\AppData\Roaming\npm

Executing: "C:\Program Files\CodeBlocks\cb\_console\_runner.exe" "D:\IBM23CS245\one\bin\Debug\one.exe" (in D:\IBM23CS245\one\.)

Process terminated with status 0 (0 minute(s), 36 second(s))

D:\IBM23CS245\one\program1.c

C/C++ Windows (CR+LF) WINDOWS-1252 Line 81, Col 28, Pos 1749 Insert Read/Write default

21°C Cloudy Search 10:43 16-10-2024

program1.c [one] - Code::Blocks 20.03

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

Debug <global> precedence(char c): int

INT\_MAX

Management

Projects

Workspace

one

Solutions

D:\1BM23CS245\one\bin\Debug\one.exe

enter the infix expression:a+b\*(c^d-e)^(f+g\*h)-i  
The required postfix expression is: abcd^e-fgh\*+^^+i-  
Process returned 0 (0x0) execution time : 43.630 s  
Press any key to continue.

```
73     switch(c)
74     {
75         case '+': return 3;
76         case '*':
77         case '/':
78             return 2;
79         case '^':
80         case '-': return 1;
81         default: return -1;
82     }
83
84
```

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

Checking for existence: D:\1BM23CS245\one\bin\Debug\one.exe  
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 (1)\mongosh-1.6.2-win32-x64\bin;C:\Users\Admin\Downloads\mongodb-atlas-cli\_1.4.0\_windows\_x86\_64\bin;C:\Program Files\Java\jdk-19\bin;C:\Program Files\Git\cmd;C:\Program Files\Docker\Docker\resources\bin;C:\Program Files\nodejs;C:\ProgramData\chocolatey\bin;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;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  
Executing: "C:\Program Files\CodeBlocks\cb\_console\_runner.exe" "D:\1BM23CS245\one\bin\Debug\one.exe" (in D:\1BM23CS245\one\.)

D:\1BM23CS245\one\program1.c

C/C++ Windows (CR+LF) WINDOWS-1252 Line 81, Col 28, Pos 1749 Insert Read/Write default

21°C Cloudy Search 10:44 16-10-2024