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

<global>   main() : int

Start here   helo.c   infix.c

```c
 1    #include <stdio.h>
 2    #include <string.h>
 3    #include <ctype.h>
 4
 5    #define max 30
 6
 7    char s[max];
 8    int top = -1;
 9
10
11    void push(char c) {
12        if (top == max - 1) {
13            printf("Stack Overflow\n");
14        } else {
15            s[++top] = c;
16        }
17    }
18
19
20    char pop() {
21        if (top == -1) {
22            printf("Stack Underflow\n");
23            return -1;
24        } else {
25            return s[top--];
26        }
27    }
28
29
30    int prec(char op) {
31        switch (op) {
32            case '^': return 3;
33            case '*':
```

C:\Users\Admin\Desktop\1bm24cs210\infix.exe

```
Enter infix expression: a+b*(c^d-e)/f
Postfix expression: abcd^e-*f/+

Process returned 0 (0x0)   execution time : 24.312 s
Press any key to continue.
```

Logs & others

Code::Blocks   Search results   Cccc   Build log   Build messages   CppCheck/Vera++   CppCheck/Vera+

File	Line	Message
		=== Build file: "no target" in "no project" (compiler: unknown) ===
		--- Build finished: 0 error(s), 0 warning(s) (0 minute(s), 0 second(s)) ---

C:\Users\Admin\Desktop\1bm24cs210\infix.c

C/C++   Windows (CR+LF)   WINDOWS-1252   Line 49, Col 1, Pos 768   Insert   Read/Write   default

Start here | helo.c | infix.c

```c
28
29
30   int prec(char op) {
31       switch (op) {
32           case '^': return 3;
33           case '*':
34           case '/': return 2;
35           case '+':
36           case '-': return 1;
37           default: return -1;
38       }
39   }
40
41   int main() {
42       char infix[max], postfix[max];
43       printf("Enter infix expression: ");
44       scanf("%s", infix);
45
46       int k = 0;
47       int l = strlen(infix);
48
49
50       for (int i = 0; i < l; i++) {
51           if (isalnum(infix[i])) {
52               postfix[k++] = infix[i];
53           } else if (infix[i] == '(') {
54               push(infix[i]);
55           } else if (infix[i] == ')') {
56               while (top != -1 && s[top] != '(') {
57                   postfix[k++] = pop();
58               }
59               pop();
60           } else {
```

C:\Users\Admin\Desktop\1bm24cs210\infix.exe

Enter infix expression: a+b*(c^d-e)/f
Postfix expression: abcd^e-*f/+

Process returned 0 (0x0)   execution time : 24.312 s
Press any key to continue.

Logs & others

Code::Blocks | Search results | Cccc | Build log | Build messages | CppCheck/Vera++ | CppCheck/Vera+

File   Line   Message
                    === Build file: "no target" in "no project" (compiler: unknown) ===
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C:\Users\Admin\Desktop\1bm24cs210\infix.c

C/C++   Windows (CR+LF)   WINDOWS-1252   Line 49, Col 1, Pos 768   Insert   Read/Write   default

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

<global>   main() : int

Start here × helo.c × infix.c ×

```c
48
49
50      for (int i = 0; i < l; i++) {
51          if (isalnum(infix[i])) {
52              postfix[k++] = infix[i];
53          } else if (infix[i] == '(') {
54              push(infix[i]);
55          } else if (infix[i] == ')') {
56              while (top != -1 && s[top] != '|') {
57                  postfix[k++] = pop();
58              }
59              pop();
60          } else {
61              while (top != -1 && prec(s[top]) >= prec(infix[i])) {
62                  postfix[k++] = pop();
63              }
64              push(infix[i]);
65          }
66      }
67
68
69      while (top != -1) {
70          postfix[k++] = pop();
71      }
72
73      postfix[k] = '\0';
74      printf("Postfix expression: %s\n", postfix);
75
76      return 0;
77  }
78
79
```

C:\Users\Admin\Desktop\1bm24cs210\infix.exe

Logs & others

Code::Blocks ×   Search results ×   Cccc ×   Build log ×   Build messages ×   CppCheck/Vera++ ×   CppCheck/Vera+

File	Line	Message
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C:\Users\Admin\Desktop\1bm24cs210\infix.c

C/C++   Windows (CR+LF)   WINDOWS-1252   Line 49, Col 1, Pos 768   Insert   Read/Write   default