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`<global>`   main() : void

main.c

```c
 1    #include<stdio.h>
 2    #include<string.h>
 3    #include<stdlib.h>
 4    int F(char symbol)
 5    {
 6        switch(symbol)
 7        {
 8            case '+':
 9            case '-': return 2;
10            case '*':
11            case '/': return 4;
12            case '^':
13            case '$':return 5;
14            case '(': return 0;
15            case '#': return -1;
16            default: return 8;
17        }
18    }
19    int G(char symbol)
20    {
21        switch(symbol)
22        {
23            case '+':
24            case '-': return 1;
25            case '*':
26            case '/': return 3;
27            case '^':
28            case '$':return 6;
29            case '(': return 9;
30            case ')': return 0;
31            default: return 7;
```

Logs & others

◀ Code::Blocks ✕ Search results ✕ Cccc ✕ Build log ✕ Build messages ✕ CppCheck/Vera++ ✕ CppCheck/Vera++ messages ✕ Cscope ✕ Debugger ✕ DoxyBlocks ✕ F Fortran info ✕ Close

File	Line	Message
		═══ Build: Debug in infixpostfix (compiler: GNU GCC Compiler) ═══
C:\Users\91...	61	warning: return type of 'main' is not 'int' [-Wmain]
		═══ Build finished: 0 error(s), 1 warning(s) (0 minute(s), 0 second(s)) ═══
		═══ Run: Debug in infixpostfix (compiler: GNU GCC Compiler) ═══

C:\Users\91620\Documents\programs\infixpostfix\main.c   C/C++   Windows (CR+LF)   WINDOWS-1252   Line 71, Col 2, Pos 1403   Insert   Read/Write default

Type here to search

12:42
30-09-2020

```c
        case ')': return 0;
        default: return 7;
    }
}
void infix_postfix(char infix[],char postfix[])
{
    int top,i,j;
    char s[30],symbol;
    top=-1;
    s[++top] = '#';
    j=0;
    for(i=0;i<strlen(infix);i++)
    {
        symbol = infix[i];
        while(F(s[top])>G(symbol))
        {
            postfix[j] = s[top--];
            j++;
        }
        if(F(s[top])!=G(symbol))
        s[++top] = symbol;
        else
        top--;
    }
    while(s[top]!='#')
    {
        postfix[j++] = s[top--];
    }
    postfix[j] = '\0';
}
```

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`<global>` main() : void

main.c

```c
43          {
44              symbol = infix[i];
45              while(F(s[top])>G(symbol))
46              {
47                  postfix[j] = s[top--];
48                  j++;
49              }
50              if(F(s[top])!=G(symbol))
51              s[++top] = symbol;
52              else
53              top--;
54          }
55          while(s[top]!='#')
56          {
57              postfix[j++] = s[top--];
58          }
59          postfix[j] = '\0';
60      }
61  void main()
62  {
63      char infix[20];
64      char postfix[20];
65      printf("Enter the valid infix expression\n");
66      scanf("%s",infix);
67      infix_postfix(infix,postfix);
68      printf("the postfix expression is\n");
69      printf("%s\n",postfix);
70
71  }
72
```

Logs & others

Code::Blocks Search results Cccc Build log Build messages CppCheck/Vera++ CppCheck/Vera++ messages Cscope Debugger DoxyBlocks Fortran info Close

File	Line	Message
		=== Build: Debug in infixpostfix (compiler: GNU GCC Compiler) ===
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C:\Users\91620\Documents\programs\infixpostfix\main.c

C/C++   Windows (CR+LF)   WINDOWS-1252   Line 71, Col 2, Pos 1403   Insert   Read/Write   default

```
Enter the valid infix expression
X^Y^Z-M+N+P/Q
the postfix expression is
XYZ^^M-N+PQ/+

Process returned 0 (0x0)    execution time : 19.300 s
Press any key to continue.
```