

```
ohisit.c recursion.c postfix.c
4  #include <ctype.h>
5
6  double operate(char symbol, double op1, double op2);
7
8
9  void main()
10 {
11     double stack[20];
12     double result;
13     double op1, op2;
14     int top = -1, i;
15     char postfix[20], symbol;
16     printf("Enter postfix expression\n");
17     scanf("%s", postfix);
18     for(i = 0; i < strlen(postfix); i++)
19     {
20         symbol = postfix[i];
21         if(isdigit(symbol))
22             stack[++top] = symbol - '0';
23         else
24         {
25             op2 = stack[top--];
26             op1 = stack[top--];
27             result = operate(symbol, op1, op2);
28             stack[++top] = result;
29         }
30     }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\asus\Desktop\postfix.exe
- Output Size: 129.8349609375 KiB
- Compilation Time: 0.75s
```

Line: 13 Col: 20 Sel: 0 Lines: 45 Length: 839 Insert Done parsing in 0.015 seconds

```
ohisit.c recursion.c postfix.c
19 {
20     symbol = postfix[i];
21     if (isdigit(symbol))
22         stack[++top] = symbol - '0';
23     else
24     {
25         op2 = stack[top--];
26         op1 = stack[top--];
27         result = operate(symbol, op1, op2);
28         stack[++top] = result;
29     }
30 }
31
32 printf("result = %f\n", result);
33 }
34 double operate(char symbol, double op1, double op2)
35 {
36     switch(symbol)
37     {
38         case '+': return op1 + op2;
39         case '-': return op1 - op2;
40         case '*': return op1 * op2;
41         case '/': return op1 / op2;
42         case '$':
43         case '^': return pow(op1, op2);
44     }
45 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\asus\Desktop\postfix.exe
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- Compilation Time: 0.75s
```

Line: 13 Col: 20 Sel: 0 Lines: 45 Length: 839 Insert Done parsing in 0.015 seconds

C:\Users\asus\Desktop\ohisit.exe

Enter postfix expression

123-4*+5\$6+

result = -237.000000

Process exited after 48.17 seconds with return value 21

Press any key to continue . . .

Type here to search



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US 10/7/2020

(globals)

TDM-GCC 4.9.2 64-bit Release

ohisit.c recursion.c postfix.c

```
1  #include <stdio.h>
2
3  int fact(int num)
4  {
5      if (num == 0)
6          return 1;
7      else
8          return num * fact(num - 1);
9  }
10
11 void main()
12 {
13     int num;
14     printf("Enter the number of which u have to find factorial\n");
15     scanf("%d", &num);
16     printf("the factorial of %d = %d\n", num, fact(num));
17
18 }
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\asus\Desktop\ohisit.exe
- Output Size: 152.416015625 KiB
- Compilation Time: 0.75s
```

Line: 18 Col: 2 Set: 0 Lines: 18 Length: 279 Insert Done parsing in 0.015 seconds

C:\Users\asus\Desktop\recurssion.exe

Enter the number of which u have to find factorial

10

the factorial of 10 = 3628800

Process exited after 3.949 seconds with return value 30

Press any key to continue . . .

Type here to search



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