

```
#include<stdio.h>
```

```
#include<conio.h>
```

```
int top = -1, stack [100];
```

```
void main ( ){
```

```
    char a[50], ch;
```

```
    int i,op1,op2,res,x;
```

```
    void push (int);
```

```
    int pop( );
```

```
    int eval (char, int, int);
```

```
    printf("enter a postfix expression:");
```

```
    gets (a);
```

```
    for(i=0; a[i]!='\0'; i++){
```

```
        ch = a[i];
```

```
        if (ch>='0' && ch<='9')
```

```
            push('0');
```

```
        else{
```

```
            op2 = pop ( );
```

```
            op1 = pop ( );
```

C expressionevalutio.c > main()

1 #include<stdio.h>

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

Windows PowerShell

Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! <https://aka.ms/powershell>

PS C:\Users\Rohit deshmunh\OneDrive\Desktop\Avantika all data\DS> cd "c:\Users
.\expressionevalutio }

enter a postfix expression:(f*k+o-/e)*t

evaluated value = 116

PS C:\Users\Rohit deshmunh\OneDrive\Desktop\Avantika all data\DS> █

```
res = eval (ch, op1, op2);
```

```
        push (res);
    }
}
x = pop ( );
printf("evaluated value = %d", x);
getch ( );
}
void push (int n){
    top++;
    stack [top] = n;
}
int pop ( ){
    int res ;
    res = stack [top];
    top--;
    return res;
}
int eval (char ch, int op1, int op2){
    switch (ch){
        case '+' : return (op1+op2);
        case '-' : return (op1-op2);
        case '*' : return (op1*op2);
        case '/' : return (op1/op2);
    }
}
}
```