

Infix to postfix conversion

```
#include<stdio.h>
#include<conio.h>
#include<ctype.h>
#include<string.h>

int stk[20];
int top = -1;

void push(int val)
{
    stk[++top] = val;
}

int pop()
{
    return(stk[top--]);
}

main()
{
    int op1,op2,len,result,i;
    char postfix[30],op;
    printf("\nEnter the postfix expresstion");
    gets(postfix);
    len=strlen(postfix);
    for(i=0 ;i<len ; i++)
    {
        if( isdigit(postfix[i]))
```

```

        push(postfix[i]-'0');
else
{
op=postfix[i];
op2=pop();
op1=pop();

switch(op)
{
case '+': push(op1+op2);
        break;
case '-': push(op1-op2);
        break;
case '*': push(op1*op2);
        break;
case '/': push(op1/op2);
        break;
case '%': push(op1%op2);
        break;
}

}

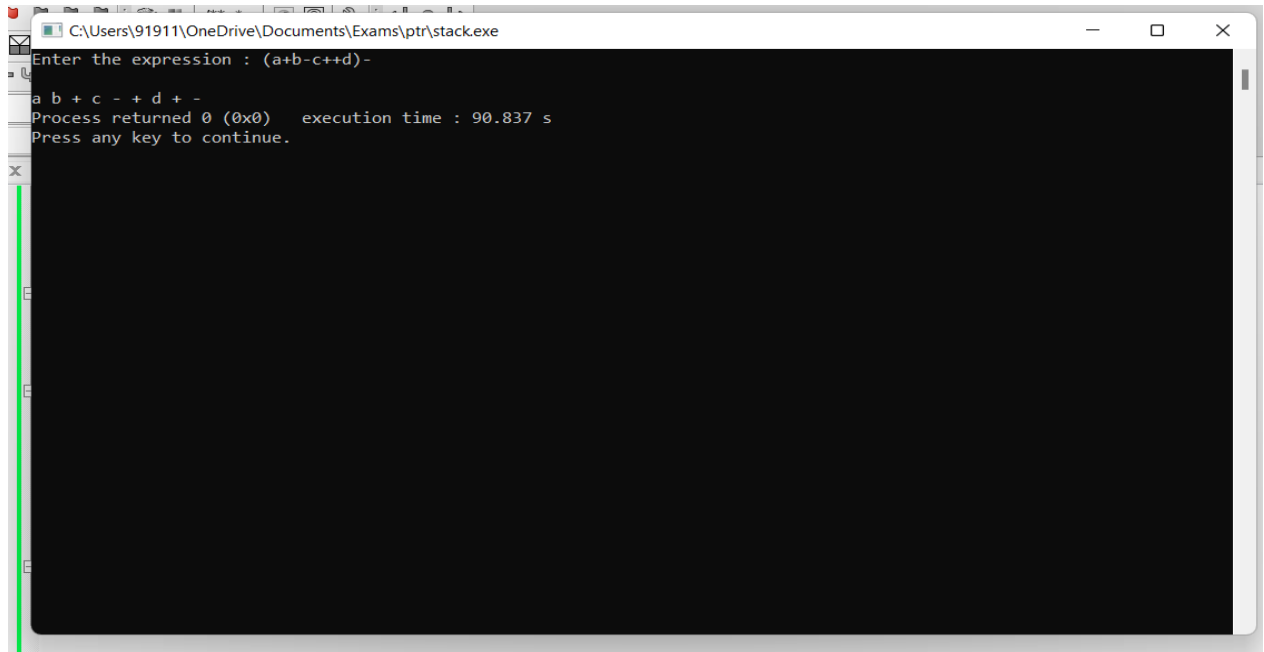
}

result=pop();
printf("The evaluated value is = %d",result);

```

}

Output:



A screenshot of a Windows command prompt window. The title bar shows the file path: C:\Users\91911\OneDrive\Documents\Exams\ptr\stack.exe. The command prompt displays the following text: "Enter the expression : (a+b-c++d)-", "a b + c - + d + -", "Process returned 0 (0x0) execution time : 90.837 s", and "Press any key to continue.". The window has a standard Windows interface with a taskbar at the bottom and a vertical green line on the left side of the command prompt area.

```
C:\Users\91911\OneDrive\Documents\Exams\ptr\stack.exe
Enter the expression : (a+b-c++d)-
a b + c - + d + -
Process returned 0 (0x0) execution time : 90.837 s
Press any key to continue.
```