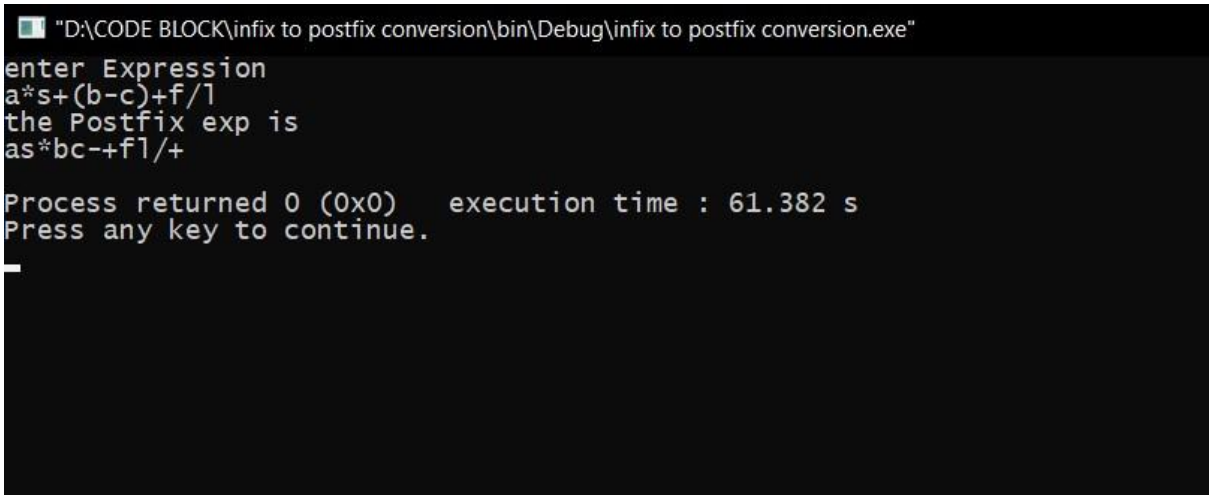
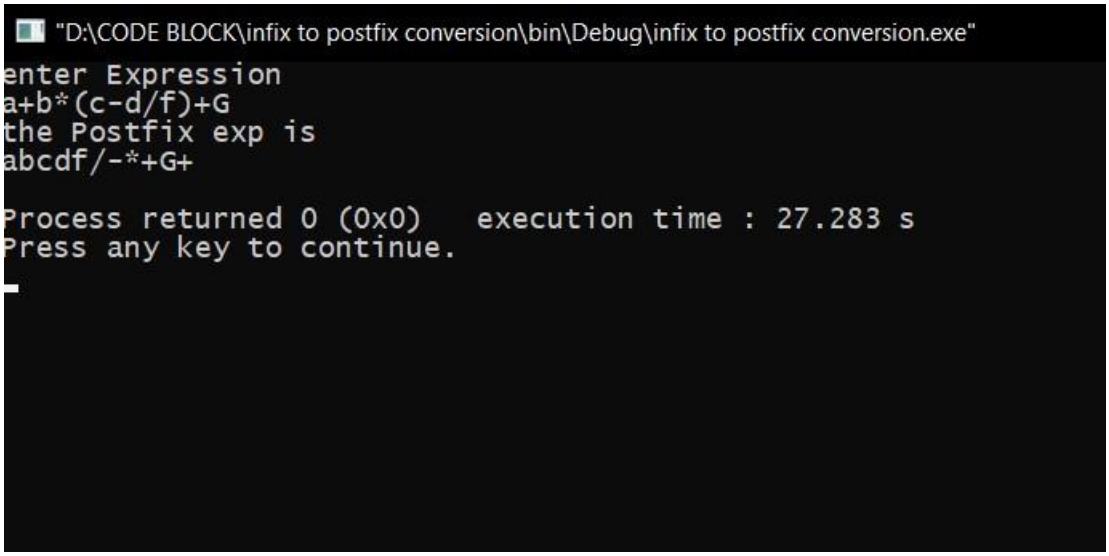
```
#include <stdio.h>
#include <stdlib.h>
#include<process.h>
#include<string.h>
int F(char symbol)
{
   switch(symbol){
   case '+':
   case '-':return 2;

   case '*':
   case '/':return 4;

   case '^':
   case '$':return 5;

   case '(':return 0;
   case '#':return -1;
   default :return 8;
   }
}

int G(char symbol){

  switch(symbol){
   case '+':
   case '-':return 1;

   case '*':
   case '/':return 3;
```

```
    case '^':
    case '$':return 6;

    case '(':return 9;
    case ')':return 0;
    default :return 7;
    }
}
void Conversion(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';
  }


int main()
{
    char infix[20];
    char postfix[20];
    printf("enter Expression\n");
    scanf("%s",infix);
    Conversion(infix,postfix);
    printf("the Postfix exp is \n");
    printf("%s\n",postfix);



}
```




"D:\CODE BLOCK\infix to postfix conversion\bin\Debug\infix to postfix conversion.exe"
enter Expression
a+b*(c-d/f)+G
the Postfix exp is
abcdf/-*+G+
Process returned 0 (0x0)   execution time : 27.283 s
Press any key to continue.