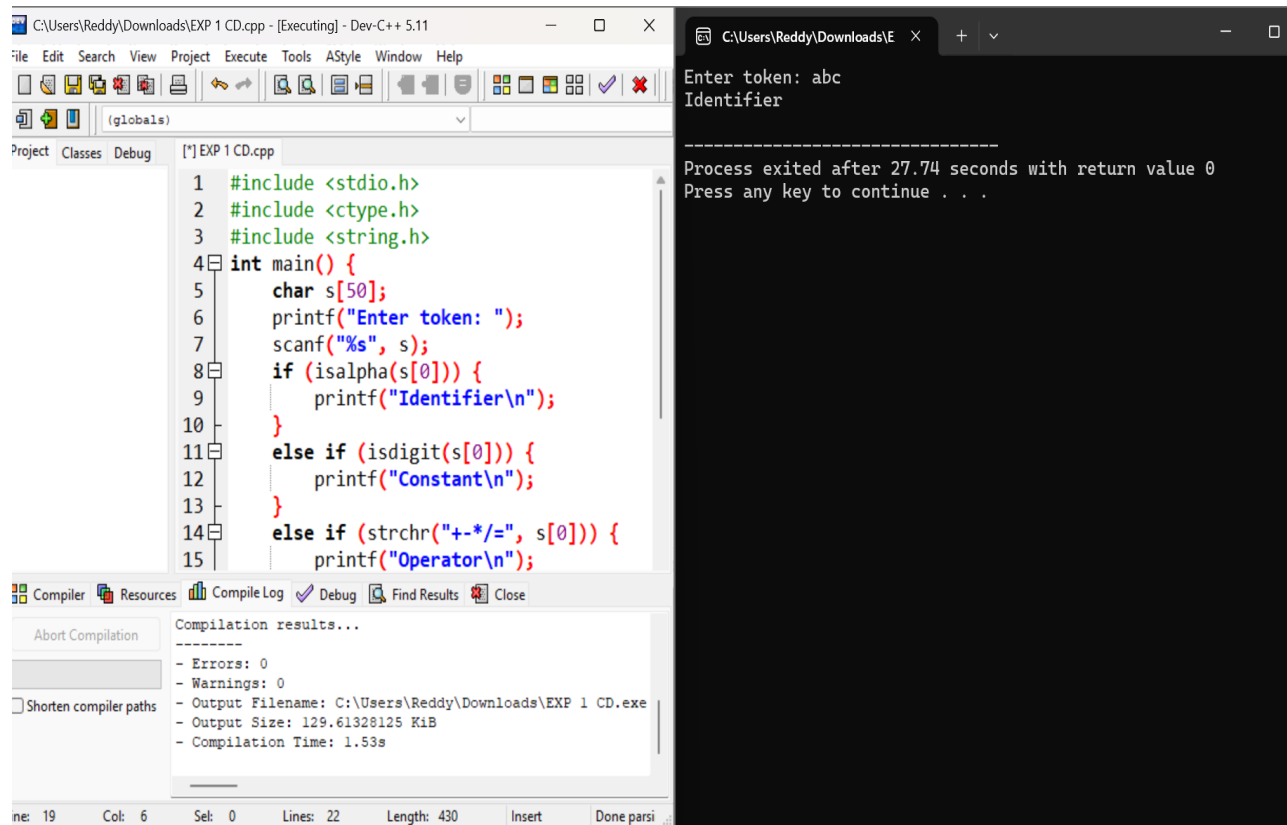# 6. C Program to Eliminate Left Recursion

```c
#include <stdio.h>
#include <ctype.h>
#include <string.h>
int main() {
    char s[50];
    printf("Enter token: ");
    scanf("%s", s);
    if (isalpha(s[0])) {
        printf("Identifier\n");
    }
    else if (isdigit(s[0])) {
        printf("Constant\n");
    }
    else if (strchr("+-*/=", s[0])) {
        printf("Operator\n");
    }
    else {
        printf("Unknown Token\n");
    }
    return 0;}
```

Output:


```c
#include <stdio.h>
#include <ctype.h>
#include <string.h>
int main() {
    char s[50];
    printf("Enter token: ");
    scanf("%s", s);
    if (isalpha(s[0])) {
        printf("Identifier\n");
    }
    else if (isdigit(s[0])) {
        printf("Constant\n");
    }
    else if (strchr("+-*/=", s[0])) {
        printf("Operator\n");
```

Enter token: abc
Identifier

Process exited after 27.74 seconds with return value 0
Press any key to continue . . .