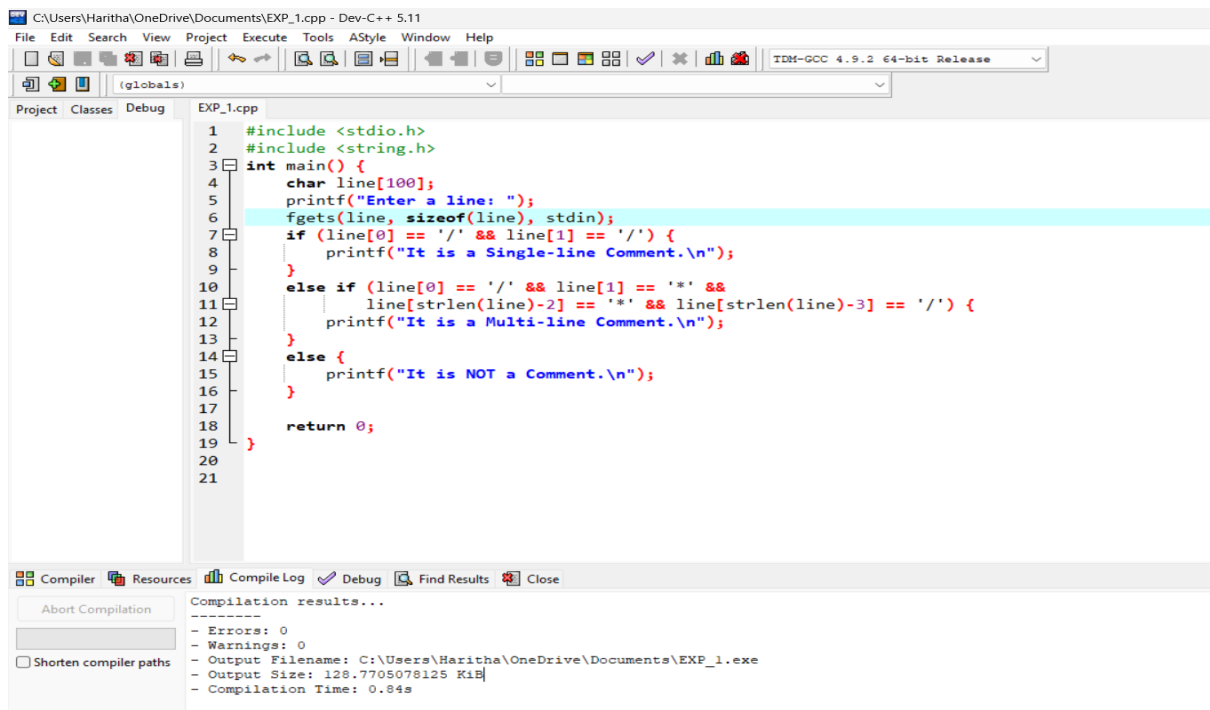


# EXPERIMENT-2

## AIM:

Develop a lexical Analyzer to identify whether a given line is a comment or not using C

## PROGRAM:

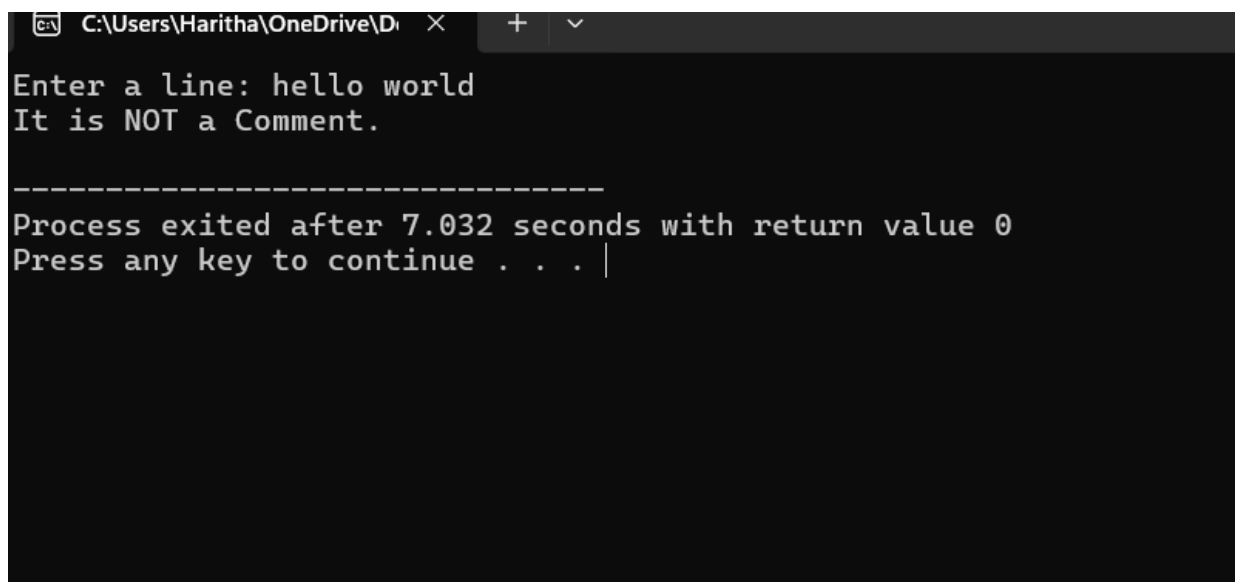


```
1 #include <stdio.h>
2 #include <string.h>
3 int main() {
4     char line[100];
5     printf("Enter a line: ");
6     fgets(line, sizeof(line), stdin);
7     if (line[0] == '/' && line[1] == '/') {
8         printf("It is a Single-line Comment.\n");
9     }
10    else if (line[0] == '/' && line[1] == '*' &&
11             line[strlen(line)-2] == '*' && line[strlen(line)-3] == '/') {
12        printf("It is a Multi-line Comment.\n");
13    }
14    else {
15        printf("It is NOT a Comment.\n");
16    }
17    return 0;
18 }
19
20
21
```

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Haritha\OneDrive\Documents\EXP\_1.exe
- Output Size: 128.7705078125 KiB
- Compilation Time: 0.84s

## OUTPUT:



```
C:\Users\Haritha\OneDrive\Documents\EXP_1.exe
Enter a line: hello world
It is NOT a Comment.

-----
Process exited after 7.032 seconds with return value 0
Press any key to continue . . .
```