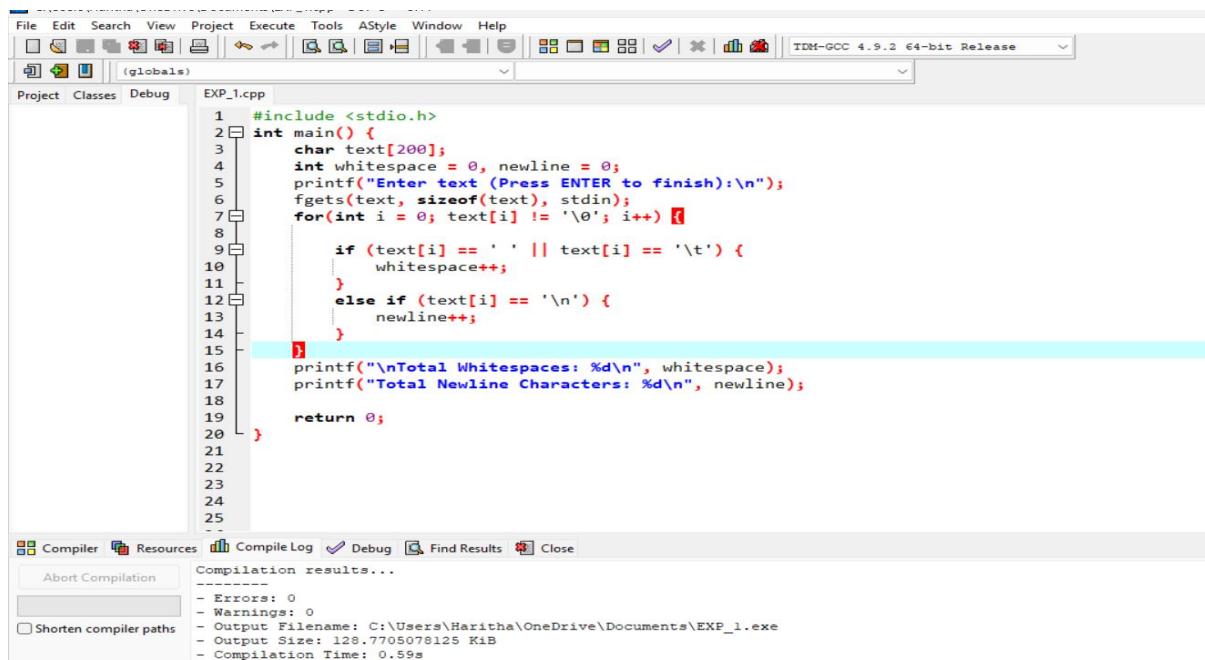


EXPERIMENT-5

AIM:

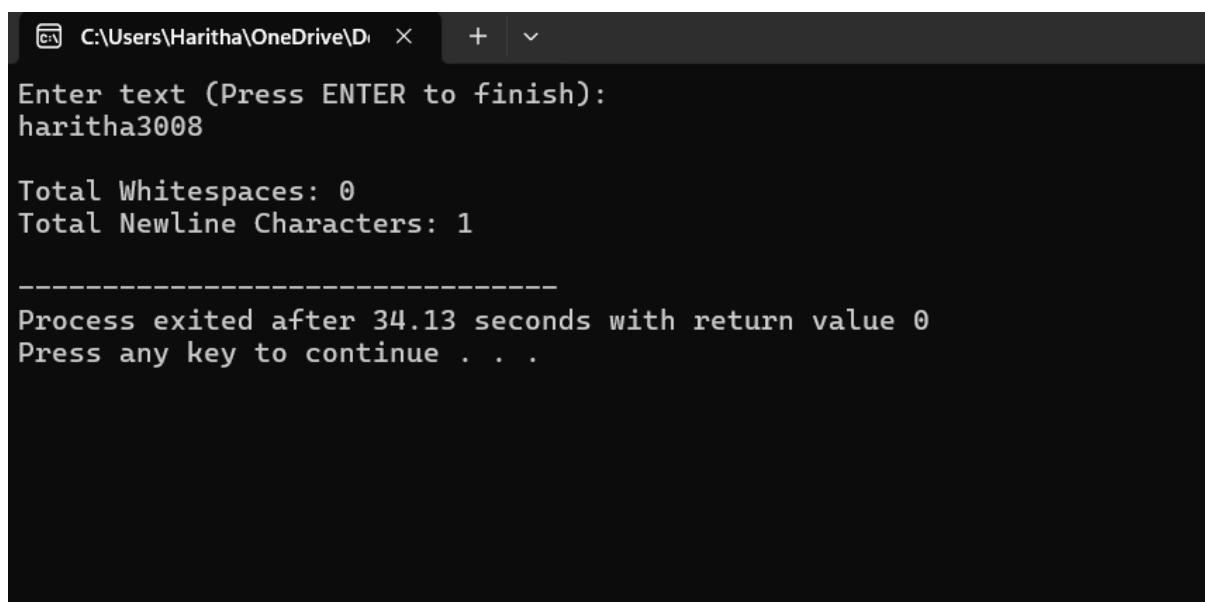
Design a lexical Analyzer to find the number of whitespaces and newline characters using C.

PROGRAM:



```
File Edit Search View Project Execute Tools AStyle Window Help
Project Classes Debug EXP_1.cpp
1 #include <stdio.h>
2 int main() {
3     char text[200];
4     int whitespace = 0, newline = 0;
5     printf("Enter text (Press ENTER to finish):\n");
6     fgets(text, sizeof(text), stdin);
7     for(int i = 0; text[i] != '\0'; i++) {
8         if (text[i] == ' ' || text[i] == '\t') {
9             whitespace++;
10        }
11    else if (text[i] == '\n') {
12        newline++;
13    }
14 }
15 printf("\nTotal Whitespace: %d\n", whitespace);
16 printf("Total Newline Characters: %d\n", newline);
17
18 return 0;
19
20
21
22
23
24
25
Compiler Resources Compile Log Debug Find Results Close
Compilation results...
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Haritha\OneDrive\Documents\EXP_1.exe
- Output Size: 128.7705078125 KiB
- Compilation Time: 0.59s
```

OUTPUT:



```
C:\Users\Haritha\OneDrive\Documents> Enter text (Press ENTER to finish):
haritha3008

Total Whitespace: 0
Total Newline Characters: 1

-----
Process exited after 34.13 seconds with return value 0
Press any key to continue . . .
```