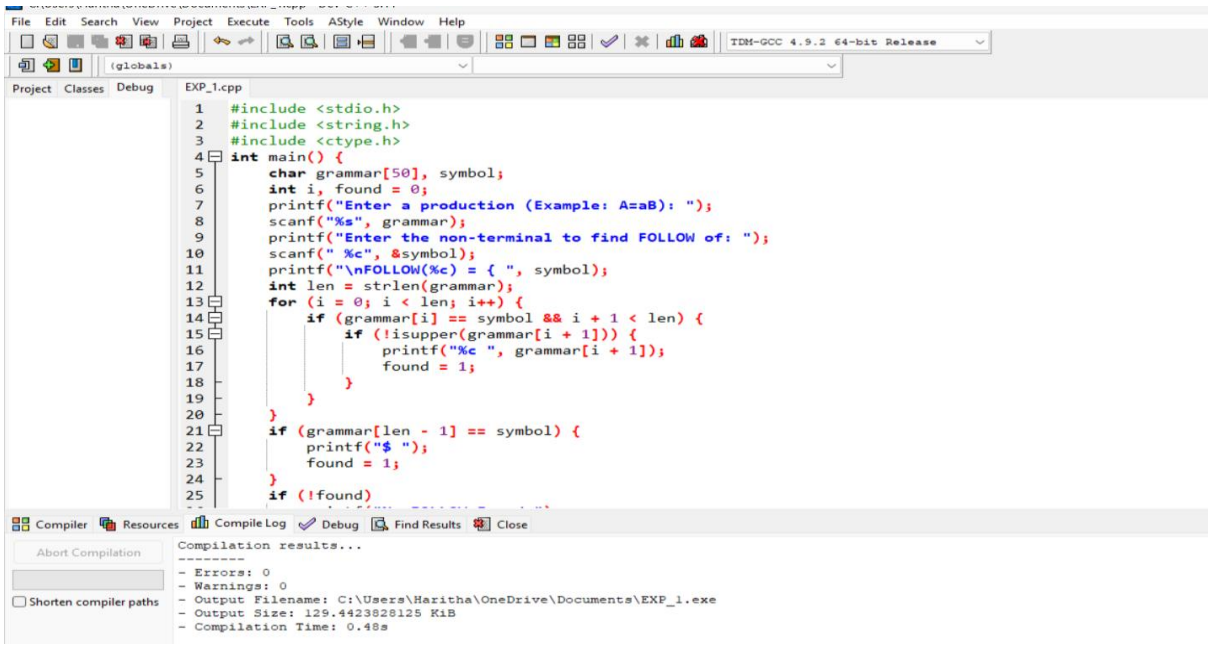
EXPERIMENT-8

AIM:

Write a C program to find FOLLOW( ) - predictive parser for the given grammar.

PROGRAM:



```
#include <stdio.h>
#include <string.h>
#include <ctype.h>
int main() {
    char grammar[50], symbol;
    int i, found = 0;
    printf("Enter a production (Example: A=aB): ");
    scanf("%s", grammar);
    printf("Enter the non-terminal to find FOLLOW of: ");
    scanf(" %c", &symbol);
    printf("\nFOLLOW(%c) = { ", symbol);
    int len = strlen(grammar);
    for (i = 0; i < len; i++) {
        if (grammar[i] == symbol && i + 1 < len) {
            if (!isupper(grammar[i + 1])) {
                printf("%c ", grammar[i + 1]);
                found = 1;
            }
        }
    }
    if (grammar[len - 1] == symbol) {
        printf("$ ");
        found = 1;
    }
    if (!found)
```

```
Compilation results...
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- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Haritha\OneDrive\Documents\EXP_1.exe
- Output Size: 129.4423828125 KiB
- Compilation Time: 0.48s
```
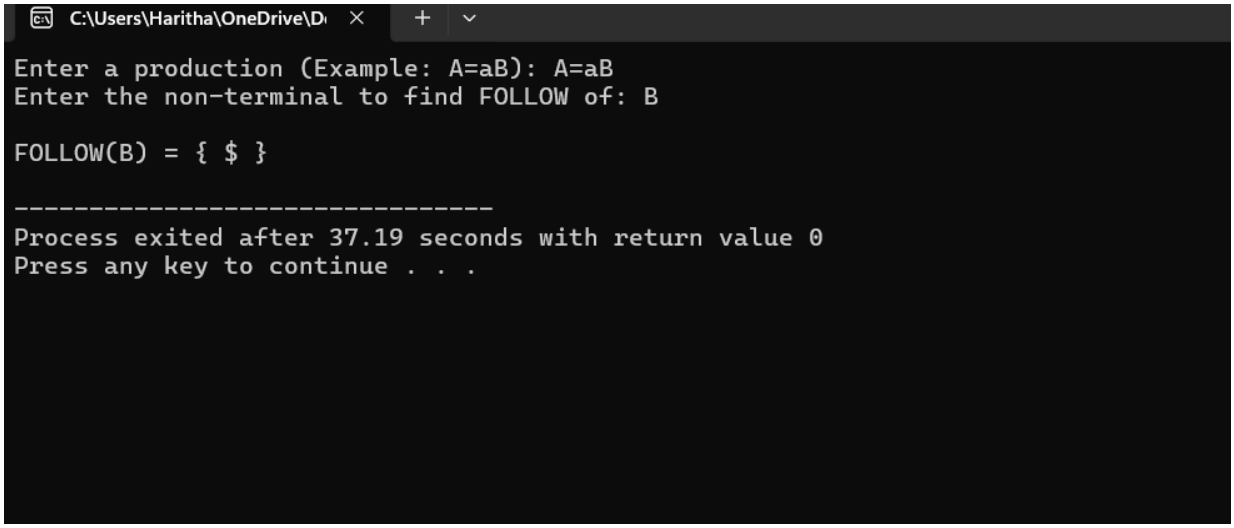

OUTPUT:



```
C:\Users\Haritha\OneDrive\D
Enter a production (Example: A=aB): A=aB
Enter the non-terminal to find FOLLOW of: B

FOLLOW(B) = { $ }

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Process exited after 37.19 seconds with return value 0
Press any key to continue . . .
```