Experiment -5

Develop a lexical Analyzer to test whether a given identifier is valid or not using c program.

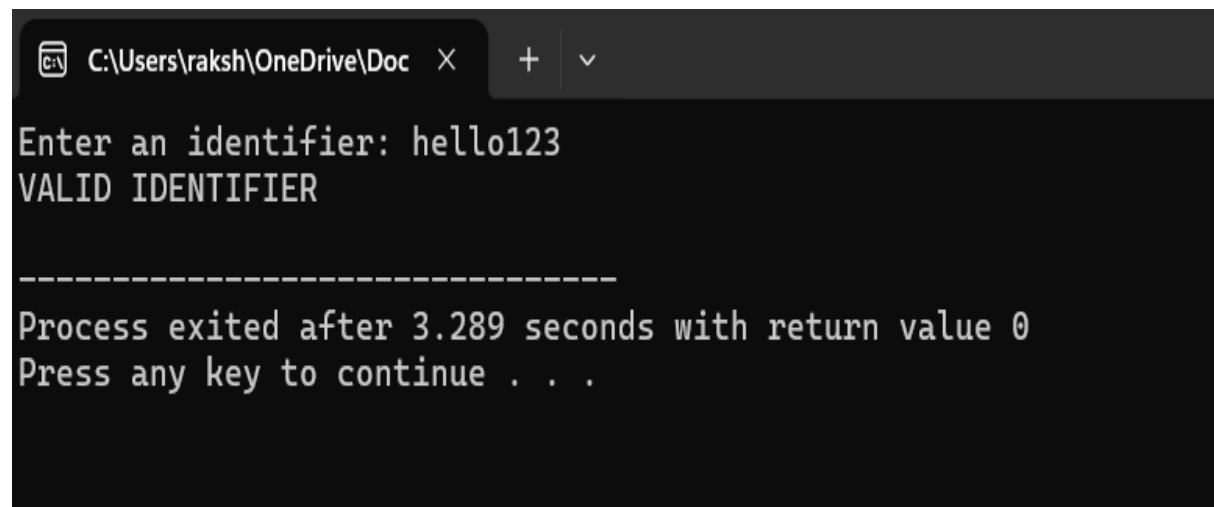Program:

```c
#include <stdio.h>

#include <ctype.h>

int isValidIdentifier(char str[]) {

    int i = 0;

    if (!(isalpha(str[0]) || str[0] == '_')) {

        return 0;

    }

    for (i = 1; str[i] != '\0'; i++) {

        if (!(isalnum(str[i]) || str[i] == '_')) {

            return 0;

        }

    }

    return 1;

}


int main() {

    char identifier[50];

    printf("Enter an identifier: ");

    scanf("%s", identifier);


    if (isValidIdentifier(identifier))

        printf("VALID IDENTIFIER\n");

    else

        printf("INVALID IDENTIFIER\n");

    return 0;

}
```

Output: