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

#include <stdio.h>

#include <ctype.h>

#include <string.h>

int isValidIdentifier(char \*str) {

if (!isalpha(str[0]) && str[0] != '\_')

return 0;

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

if (!isalnum(str[i]) && str[i] != '\_')

return 0;

}

return 1;

}

int main() {

char identifier[100];

printf("Enter an identifier: ");

scanf("%s", identifier);

if (isValidIdentifier(identifier))

printf("Valid identifier\n");

else

printf("Invalid identifier\n");

return 0;

}