

## EXP05

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

### Input:

```
#include <stdio.h>
#include <ctype.h>
#define MAX_ID_LEN 100
int isValidIdentifier(char *id) {
    int i;

    if (!isalpha(id[0]) && id[0] != '_')
        return 0;

    for (i = 1; id[i]; i++) {
        if (!isalnum(id[i]) && id[i] != '_')
            return 0;
    }

    return 1;
}

int main() {
    char id[MAX_ID_LEN];

    printf("Enter an identifier: ");
    scanf("%s", id);

    if (isValidIdentifier(id))
        printf("Valid identifier\n");
    else
        printf("Invalid identifier\n");

    return 0;
}
```

### Output:

