



## Lesson 68 Read Line

In the previous lesson, we learned how we can scanf for a line, but in this lesson we want to scanf for a specific part, we used to scanf for a word or for a certain letter we want to stand before it. But now we want to learn how we can scan a specific part of the line.

Example :

If we have an email ahmed@gmail.com

We want to record the username ahmed in a variable and the domain gmail.com in another variable.

```
#include <stdio.h>

int main() {
    char username[100], domain[100];
    printf("Email: ");
    scanf("%[^@]", username);
    //will stop at the @ and won't record it
    //but it will record the @ in the domain
    scanf("%[^\n]", domain);
    printf("Username: %s\n", username);
    printf("Domain: %s\n", domain);
}
```

**input:**

**www.gammal.tech**



info@gammal.tech

**output:**

Username: info

Domain: @gammal.tech

Try the code yourself : [Click Here!](#)

Therefore, we will use c %\*, which means that the program ignores this character @ and does not record it

```
#include <stdio.h>
int main() {
char username[100], domain[100];
printf("Email: ");
scanf("%[^@]%%c%[\n]", username, domain);
//will stop at the @ and won't record it
//but it will record the @ in the domain
printf("Username: %s\n", username);
printf("Domain: %s\n", domain);
}
```

**input:**

info@gammal.tech

**output:**

Username: info



Domain: gammal.tech

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There is a simple error that many make when they use `s` a `scanf` when they insert a single letter after a sentence.

Example :

```
#include <stdio.h>

int main() {
    char name[100], gender;
    printf("Enter full name followed by(m/f): \n");
    scanf("%[^\n]%c",name,gender);
    //mistake
    //The computer will stop before the \n
    printf("\n\n%s %c \n\n", name, gender);
}
```

To correct this error must be set `%c*` to register `/n` :

```
scanf("%[^\n]*%c%c",name,gender);
```

Try the code yourself : [Click Here!](#)

