



Lesson 67 Read from File

In the previous lesson, we learned how to open a file in order to write in it. In this lesson, we want to open the same file, but in order to read from it.

Last example :

```
#include <stdio.h>

int main() {
    FILE *f=fopen("gammal.txt","w");
    fprintf(f,"Hello Gammal Tech");
}
```

We said w means that the goal is to write, but we will put **r** instead of it, and here it means read, which is **read-only**.

```
FILE *f=fopen("gammal.txt","r");
```

We were using the scanf command to read from the screen, but here we will read from the file and we will use **fscanf** and the command is as follows:

```
#include <stdio.h>

int main() {
    FILE* f = fopen("gammal.txt", "r");
    char x[20];
    fscanf(f, "%s", x);
    printf("%s", x);
}
```



output:

Hello

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

One word was printed, but if we want to print all the words inside the file, here we will need to repeat, and here we will need while because we know the number of letters or words inside the file and it will be as follows:

while(fscanf(f, "%c",&x)!=EOF)

While keeps working as long $x \neq \text{EOF}$ which means End Of Text.

```
#include <stdio.h>

int main() {
    FILE* f = fopen("gammal.txt", "r");
    char x;
    while(fscanf(f, "%c",&x)!=EOF){
        printf("%c", x);
    }
}
```

output:

Hello Gammal Tech

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

