



INSTITUTO TECNOLÓGICO

SUPERIOR DE POZA RICA

**INGENIERÍA SISTEMAS
COMPUTACIONALES**

Materia

Inteligencia artificial

Nombre

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Actividades CLion 29 de oct 6:41 PM

tareaFunciones - main.c

File Edit View Navigate Code Refactor Build Run Tools VCS Window Help

tareaFunciones main.c

Project - CMakeLists.txt main.c

1 #include <stdio.h>
2 #include <stdbool.h>
3
4 int str_len(char *c);
5
6 bool str_comp(char *a, char *b);
7
8
9 int main() {
10 char *cadena="Javier";
11 printf("Longitud : %i\n", str_len(cadena));
12
13 char *cadena1="Javi_er";
14 char *cadena2="Javi_er";
15
16 if(str_comp(cadena1, cadena2)){
17 puts("Son iguales");
18 }else{
19 puts("Son diferentes");
20 }
21
22 return 0;
23 }
24
25 int str_len(char *c){
26 int cont=0;
27 while(*c!='\0'){
28 cont++;
29 *c++;
30 }
31 return cont;
32 }
33
34 bool str_comp(char *a, char *b){
35 if(str_len(a)==str_len(b)){
36 for(int c=0; c<str_len(a); c++){
37 if(a[c]!=b[c]){
38 return false;
39 }
40 }
41 return true;
42 }else{
43 return false;
44 }
45 }

Run TODO 6 Problems Terminal CMake Messages Event Log

Build finished in 1 s 241 ms (4 minutes ago)

3:1 LF UTF-8 4 spaces C:\tareaFunciones | Debug

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tareaFunciones - main.c

File Edit View Navigate Code Refactor Build Run Tools VCS Window Help

tareaFunciones main.c

Project - CMakeLists.txt main.c

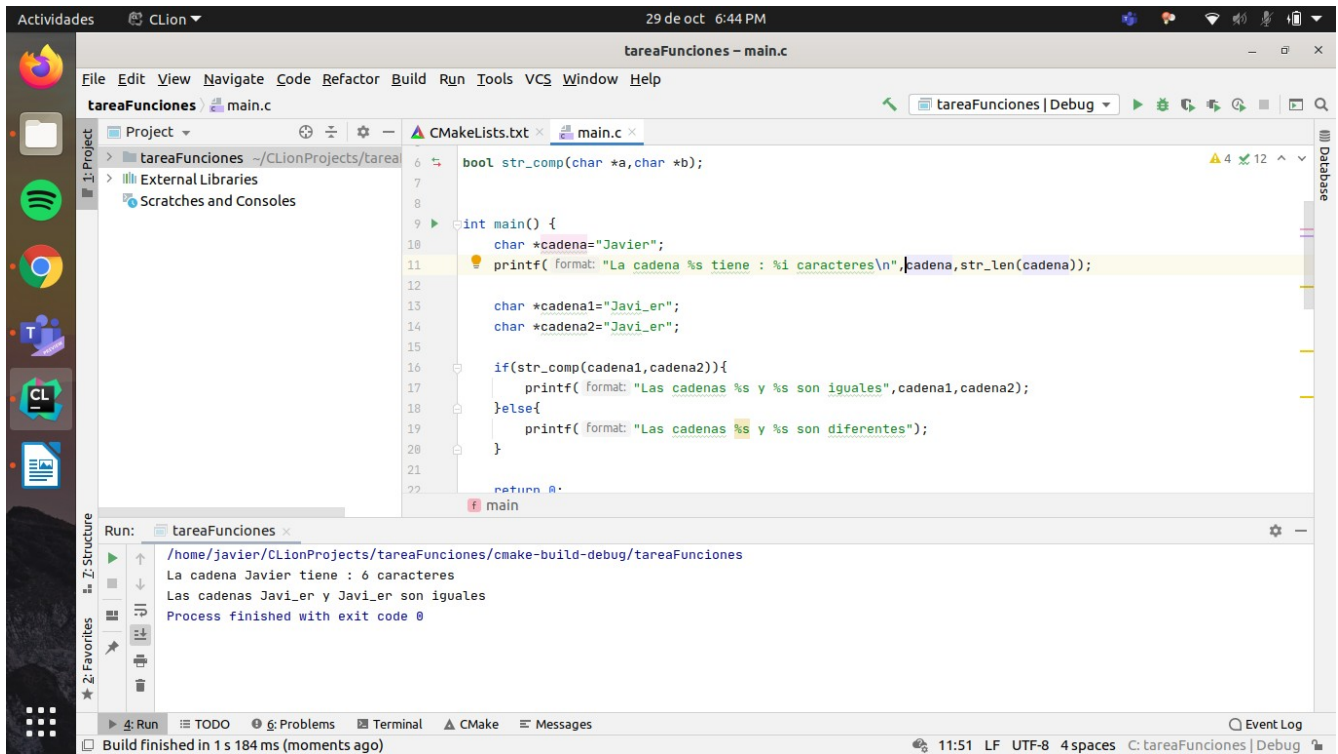
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En ejecución :



The screenshot shows the CLion IDE interface with the following components:

- Project View:** Shows the project structure with 'tareaFunciones' and 'External Libraries'.
- Editor:** Displays the 'main.c' file with the following code:

```
6 bool str_comp(char *a, char *b);
7
8
9 int main() {
10     char *cadena = "Javier";
11     printf( format: "La cadena %s tiene : %i caracteres\n", cadena, str_len(cadena));
12
13     char *cadena1 = "Javi_er";
14     char *cadena2 = "Javi_er";
15
16     if(str_comp(cadena1, cadena2)){
17         printf( format: "Las cadenas %s y %s son iguales", cadena1, cadena2);
18     }else{
19         printf( format: "Las cadenas %s y %s son diferentes");
20     }
21
22     return 0;
23 }
```
- Run Window:** Shows the execution output:

```
/home/javier/CLionProjects/tareaFunciones/cmake-build-debug/tareaFunciones
La cadena Javier tiene : 6 caracteres
Las cadenas Javi_er y Javi_er son iguales
Process finished with exit code 0
```
- Status Bar:** Indicates the build finished in 1 s 184 ms (moments ago) and shows the current file is 'main.c' in 'Debug' mode.

```

#include <stdio.h>
#include <stdbool.h>

int str_len(char *c);

bool str_comp(char *a,char *b);

int main() {
    char *cadena="Javier";
    printf("La cadena %s tiene : %i caracteres\n",cadena,str_len(cadena));

    char *cadena1="Javi_er";
    char *cadena2="Javi_er";

    if(str_comp(cadena1,cadena2)){
        printf("Las cadenas %s y %s son iguales",cadena1,cadena2);
    }else{
        printf("Las cadenas %s y %s son diferentes");
    }

    return 0;
}

int str_len(char *c){
    int cont=0;
    while(*c!='\0'){
        cont++;
        *c++;
    }
    return cont;
}

bool str_comp(char *a,char *b){
    if(str_len(a)==str_len(b)){
        for(int c=0;c<str_len(a);*a++, *b++){
            if(*a!=*b){
                return false;
            }
        }
        return true;
    }else{
        return false;
    }
}

```