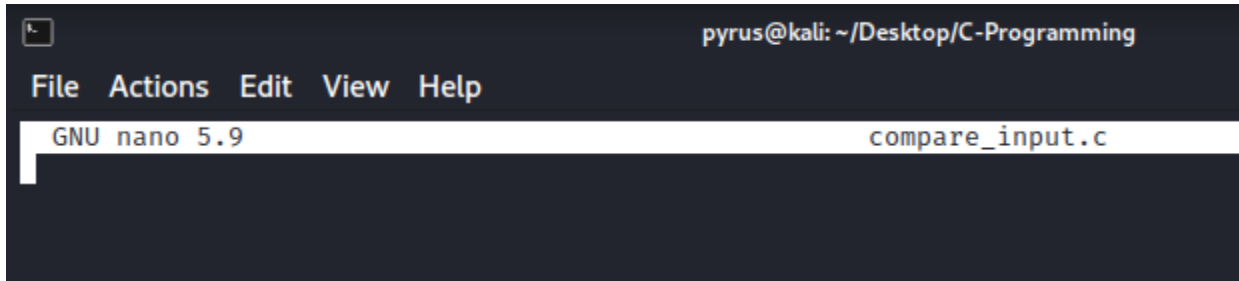
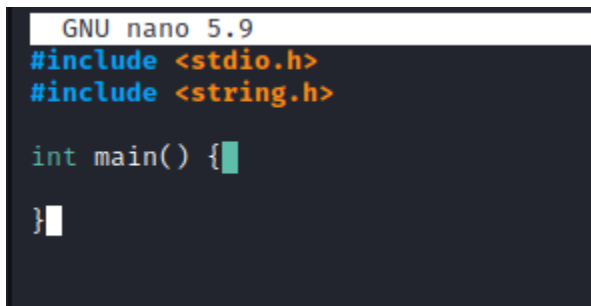


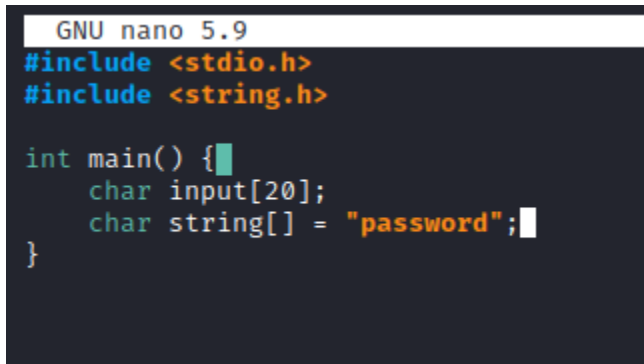
Let's create our file called "compare_input" and open it with nano



Lets include our files, we will also include another file called string.h, from which we will utilize the strcmp function we will need when we compare the user's input to the input the program is expecting. Let us also create our main function



We will create two variables, one called input that will store the users input and one called string which is the string we will compare the input with (The string variable will have the value of "password")



Now let's get our input from the user and store it in the input variable

```
GNU nano 5.9
#include <stdio.h>
#include <string.h>

int main() {
    char input[20];
    char string[] = "password";
    printf("Enter your guess: ");
    scanf("%s", &input);
}
```

Now let's utilize the strcmp function to compare the string. If the strcmp function returns 0 , that means both the strings have the same value, so let's make an if statement where it checks if it returns a 0 and then print our Correct! , if it is any other value other than 0 we can say "Incorrect"

And as usual we will add the return 0; statement at the end of the function

```
GNU nano 5.9
#include <stdio.h>
#include <string.h>

int main() {
    char input[20];
    char string[] = "password";
    printf("Enter your guess: ");
    scanf("%s", &input);
    if (strcmp(input, string) == 0)
        printf("Correct!");
    else
        printf("Incorrect!");
    return 0;
}
```

Now let's save the file, compile it and run the program

```
(pyrus@kali)-[~/Desktop/C-Programming]
$ gcc compare_input.c -o compare_input

(pyrus@kali)-[~/Desktop/C-Programming]
$ ./compare_input
Enter your guess: pass
Incorrect!
```

Good , so if we give it a string that is other than "password" it should print out Incorrect, lets try putting it the string "password"

```
(pyrus@kali)-[~/Desktop/C-Programming]
$ gcc compare_input.c -o compare_input

(pyrus@kali)-[~/Desktop/C-Programming]
$ ./compare_input
Enter your guess: pass
Incorrect!

(pyrus@kali)-[~/Desktop/C-Programming]
$ ./compare_input
Enter your guess: password
Correct!
```

Awesome! We just wrote a program that compares the user's input to a string that we are expecting and tells them if it is correct or wrong.