

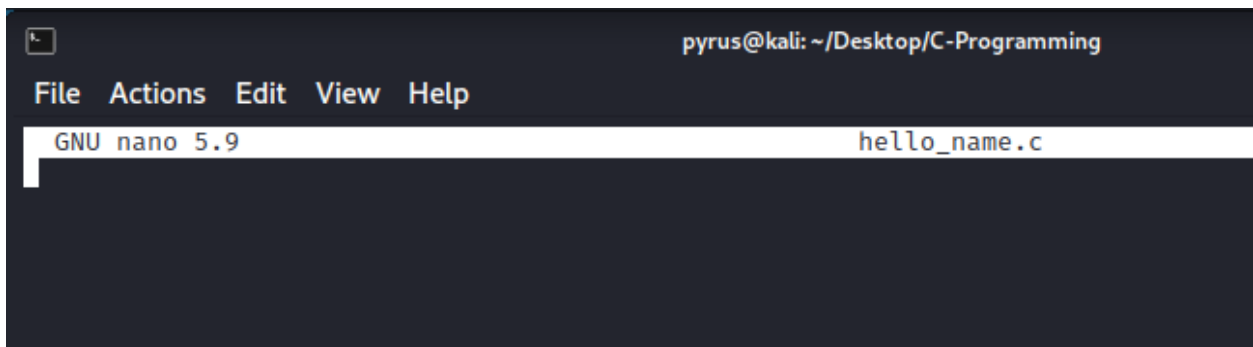
Hello {Your Name} Program:

Let's create our file

```
(pyrus@kali)-[~/Desktop/C-Programming]
$ touch hello_name.c

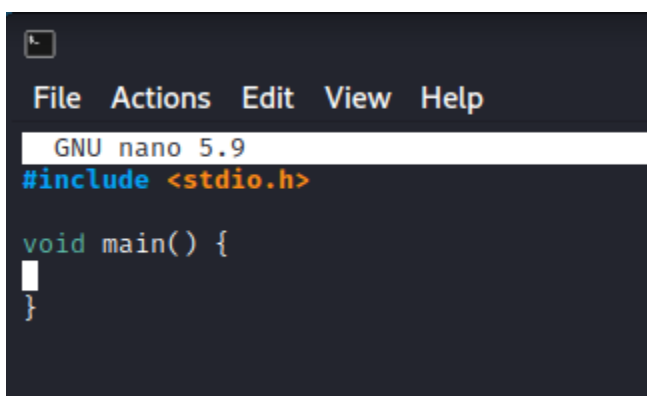
(pyrus@kali)-[~/Desktop/C-Programming]
$ ls
hello_name.c  hello_world  hello_world.c
```

Let's open it with nano



The screenshot shows the nano text editor interface. The title bar at the top reads "pyrus@kali: ~/Desktop/C-Programming". Below the title bar is a menu bar with "File", "Actions", "Edit", "View", and "Help". The status bar at the bottom of the editor shows "GNU nano 5.9" on the left and "hello_name.c" on the right. The main editing area is currently empty.

Now let's include our stdio.h file and create our main function, we are using the void main() function as we will not return any value, we are just taking input and printing out our name with an added string, we are not going to the end of the function, so we can use void instead of int where we were going to the end of the program and returning a value.



The screenshot shows the nano text editor with the following code entered:

```
File  Actions  Edit  View  Help
GNU nano 5.9
#include <stdio.h>

void main() {

```

Now let's initialize a variable called name and assign it 20 characters (you can add more if your name is longer than 20 characters)

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

void main() {
    char name[20];
}
```

Now let's take input from the user who will be running this program and store the input that they give into the name variable using the scanf function

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

void main() {
    char name[20];
    printf("What is your name? : ");
    scanf("%s", &name);
}
```

Now let's write a statement where we say "Hello" followed by the given input which is the user's name

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

void main() {
    char name[20];
    printf("What is your name? : ");
    scanf("%s", &name);
    printf("Hello %s", name);
}
```

Now let's save the file and compile it using GCC

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

Lets run the program

```
(pyrus@kali)-[~/Desktop/C-Programming]  
$ ./hello_name  
What is your name? : Pyrus  
Hello Pyrus
```

Awesome , we just wrote a program that asks for your name and says Hello to you.