

005 - FIRST C PROGRAM

Before starting the abcd of C language, you need to learn how to write, compile and run the first c program.

```
// helloWorld.c

#include<stdio.h>

int main () {
    printf("\nHello World!!!\n\n");
    return 0;
}
```

Let's break down what every componet of this program means :-

`#include <stdio.h>`

`#include <stdio.h>` includes the standard input output library functions. The `printf()` function is defined in `stdio.h` .

`int main()`

The `main()` function is the entry point of every program in c language.

`printf()`

The `printf()` function is used to print data on the console.

`return 0`

The `return 0` statement, returns execution status to the OS. The 0 value is used for successful execution and 1 for unsuccessful execution.

HOW TO COMPILE A C PROGRAM?

Open the Terminal and Navigate to the Directory where the C program is written.

Type the following command to "compile" the C Program :-

```
gcc <file_name_of_c_program> -o
<custom_name_of_executable_file>
```

Type the following command to "execute" the executable file, that is generated after the compilation.

```
./<custom_name_of_executable_file>
```
