Int main()

{

printf(“Hello”);

return 0;

}

\_\_\_\_\_ FunctionName() -> \_\_\_ means what type of value the function is returning.

Int main()

Here we have written INT it means

Int is the return type of function main

It means that main function return an int type value.

Return 0: // function ends and returns 0

**0 is the Exit code this program**

Exit code goes to the one who is executing the program

In out case its OS.

There is a guideline

If programm execute successfully and return 0 as exit code

Os -> calling our program

That programg return 0 as exit code to program -> OS

How to see Exit code ?

What os does with exit code

There is a environment variable named as ErrorLevel

Flow:

We execute a program

> eg38

Then it will goes to OS.

Os will execute the progam

Once program ends it will return exit code is 0

Then this goes to OS.

Os Assigns it to an env variable named as ErrorLevel

How to see that Errorlevel

>echo %errorlevel% // we can get last program exit code

These above conversion is based on WIndows only.

Every OS have its one way to process the things.

#include<stdio.h>

int main()

{

printf("Hello");

// return 0;

return 23;

}

/\*

C:\himanshu\c\lectures\018-ExitCodeOfAProgram>eg

Hello

C:\himanshu\c\lectures\018-ExitCodeOfAProgram>echo %errorlevel%

0

C:\himanshu\c\lectures\018-ExitCodeOfAProgram>gcc eg38.c -o eg.exe

C:\himanshu\c\lectures\018-ExitCodeOfAProgram>eg

Hello

C:\himanshu\c\lectures\018-ExitCodeOfAProgram>echo %errorlevel%

23

\*/

So that is the reason wny we write int before writing main function.