* After we created a project website for the operating system, the first task to create this system was the download tool, so when we created this boot
* **We have taken a number of steps?**

1. Search and find out what bot jobs are?

2. Know the language written in a fit?

3. Commands used within the robot?

4. What libraries do we need?

5. How to apply what we write

* After researching and knowing the function of the bot, which was that the system that loads itself to the bot is ready to be executed, and through it the operating system cannot boot

* As for the language used to write the code for the bot, it is the assembly language exclusively (or even the device code), because it needs to be pressed, and it can only access operating system procedures through it.
* Why is the assembly language used in the operating system? The reason is an easy

-to-read formula for humans that matches the machine language that makes up a computer's commands with design. The device language is a bit stream that represents a computer process or command of a computer.

* **Orders are divided into four areas?**

1.The name

2.The lab

3.the operation

4.Suspension

* **Examples of requests?**

Starting: MOV CX, 5; counter setting

In the example field, the name is START

Operation and laboratory MOV CX, 5

Comment: Initialize the counter

* **Commands used within the code?**

Mov Transferring the value from another registrar or value

Add two values ​​together

Sub Subtract two values

Dave has a two-digit section

Comp between two registrars and two types

* For the library used to run a localized language program in Linux

The MASM guidelines usually contain opposite parameters from the GAS guidelines. For example, the instructions are usually written as the destination for the instructions, the source.

It is a nasm library that implements written and archived programs with the name asm.

* After knowing the bot function, how it is written, and the language we use, we can apply what we have done
* We have downloaded the VMware virtual machine.
* We installed Ubuntu on a virtual machine.
* We downloaded the nasm emulator to execute and compile programs written in the assembly language for comment on the term.
* **The most important problems encountered while writing boot?**

1. My insufficient knowledge of the assembly language was something that was a finger of something in this matter, but we found the solution and how to operate it

The solution / training and study is more in writing assembly language codes

2. How to play .asm / youtube search files

3. Download Linux / search with YouTube

