INSTALL ARDUINO ON LINUX

Step 1: Download the Latest Version of the Official Website
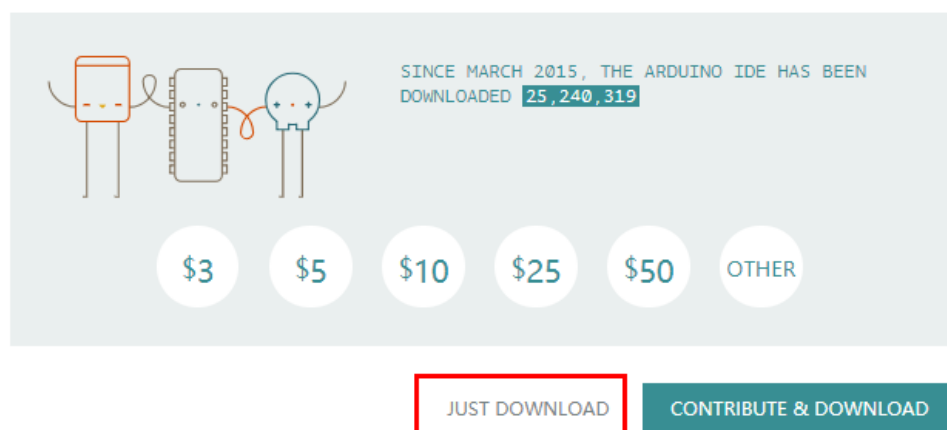
Access the site https://www.arduino.cc/en/Main/Software and download the package that fits the settings of the computer you are using, in my case it is an Ubuntu x64.

You will be redirected to a page where you can choose to contribute with Arduino software or not, if you do not want to contribute click on "JUST DOWNLOAD" link

Step 2: Installing Arduino

After the download, open a terminal and type:

cd Downloads/

This command will cause the terminal to go to the download folder where the installation package was downloaded

type it:

ls

This command lists the files in the folder, it is important to know the package name In my case

"Arduino-1.8.5-linux64.tar.xz"

To unpack the package:

tar -Jxf Arduino-1.8.5-linux64.tar.xz

Remember that if your has the different name you should replace the correct name in the command

If you execute "**ls**" again you will get:

"Arduino-1.8.5"

"Arduino-1.8.5 Arduino-1.8.5-linux64.tar.xz"

So that the folder does not remain in downloads, let's move it to a more appropriate folder, using the command:

sudo mv Arduino-1.8.5 /usr/share

Let's acess the moved folder using:

cd /usr/share/arduino-1.8.5/

If you execute "**ls**" again must be obtained:

"arduino hardware lib revisions.txt uninstall.sh

arduino-builder install.sh libraries tools examples

java reference tools-builder"

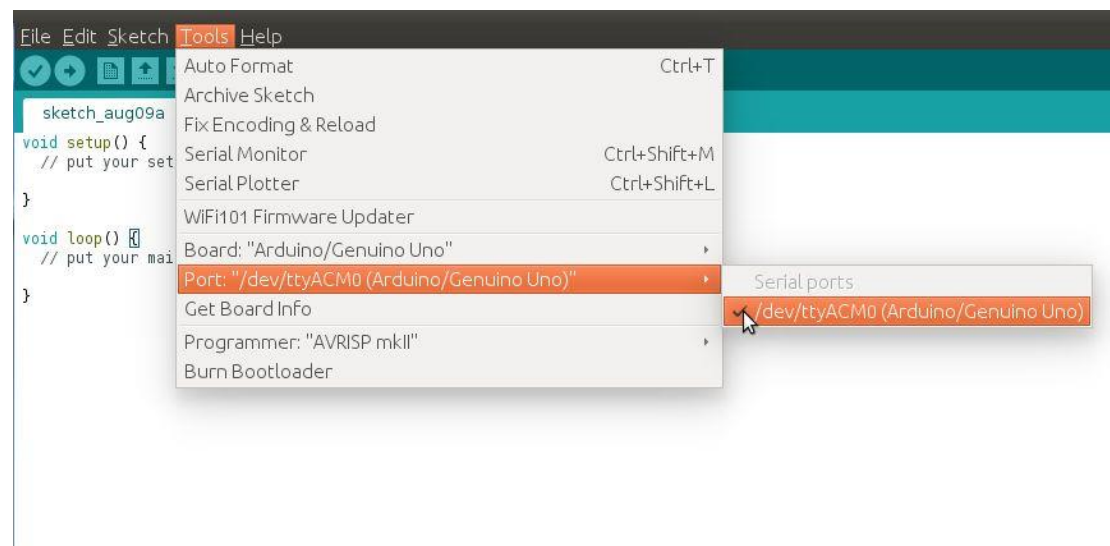And finally run the installation script that comes with the package using:

sudo ./install.sh

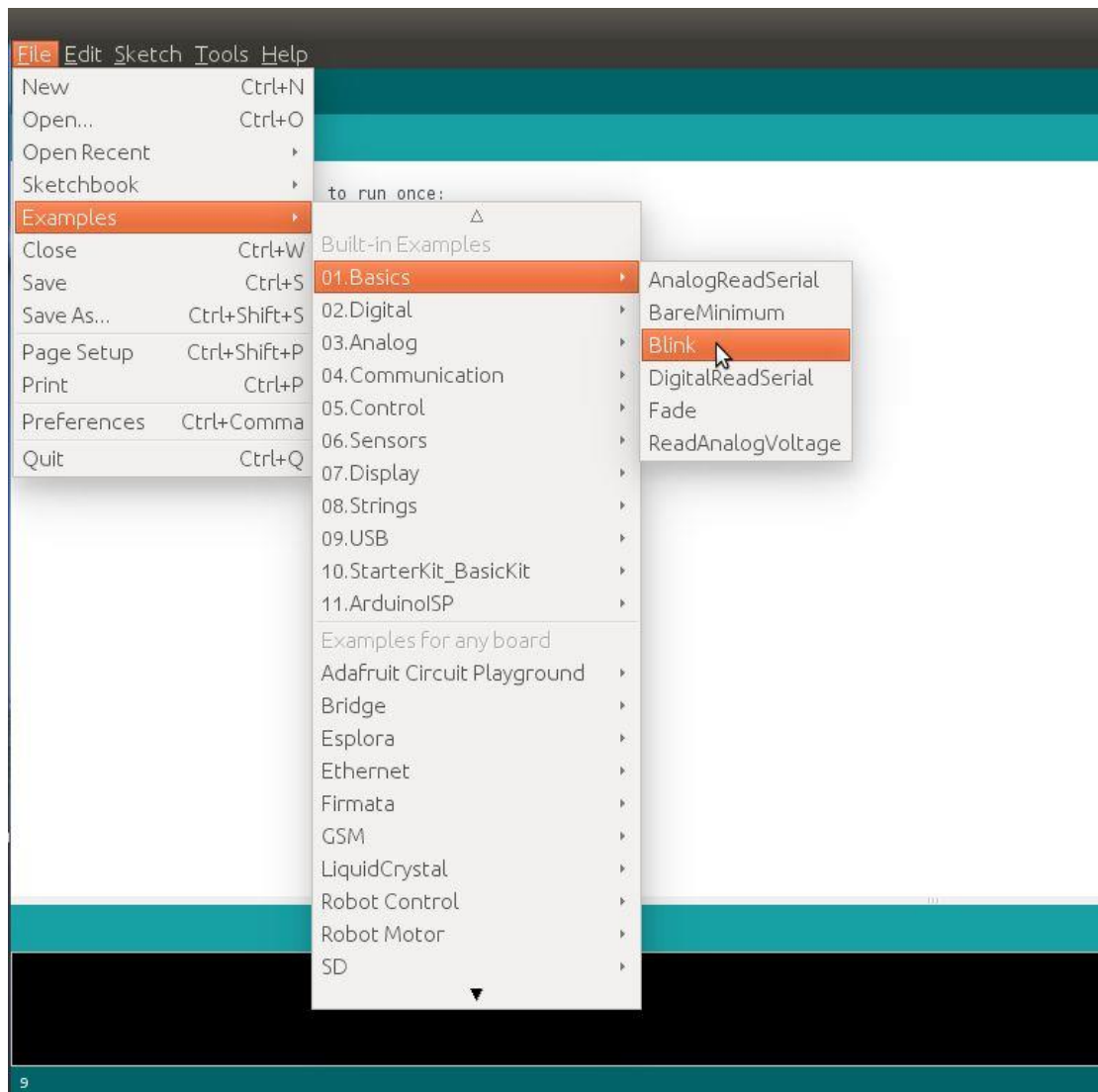At the end of the installation, the terminal should look like the following:

Step 3: Testing

To run the program enter:

sudo ./install.sh

Note that this command will only work inside the folder where the installation

was done.

After the command a window should open.

Select the port being used "Tool> Port:> port_that_the_arduino_is_connected" Open

the Blink example "File> Examples> 01. Basics> Blink"

Click on the code upload button.

Check if the program was able to load the code on Arduino.

If no error message appears, you have finished installing correctly.