

INSTALL ARDUINO ON LINUX

Step 1: Download the Latest Version of the Official Website

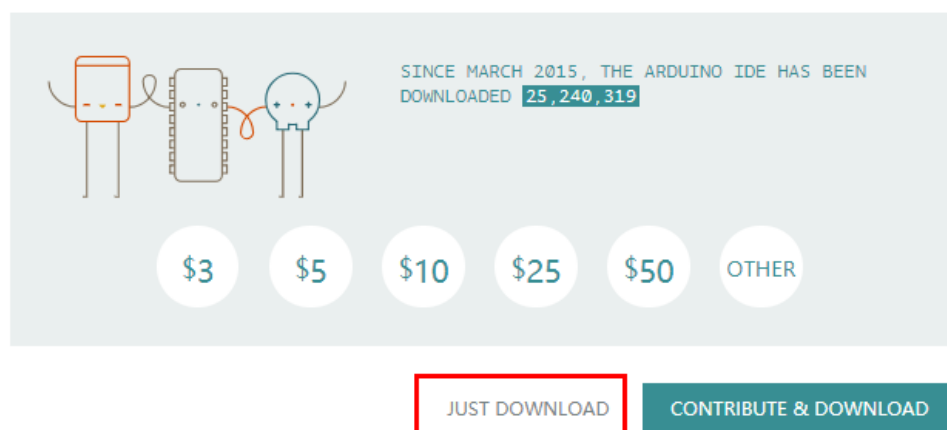
Access the site <https://www.arduino.cc/en/Main/Software> and download the package that fits the settings of the computer you are using, in my case it is an Ubuntu x64.

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



Contribute to the Arduino Software

Consider supporting the Arduino Software by contributing to its development. (US tax payers, please note this contribution is not tax deductible). [Learn more](#) on how your contribution will be used.



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 you have 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 access 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

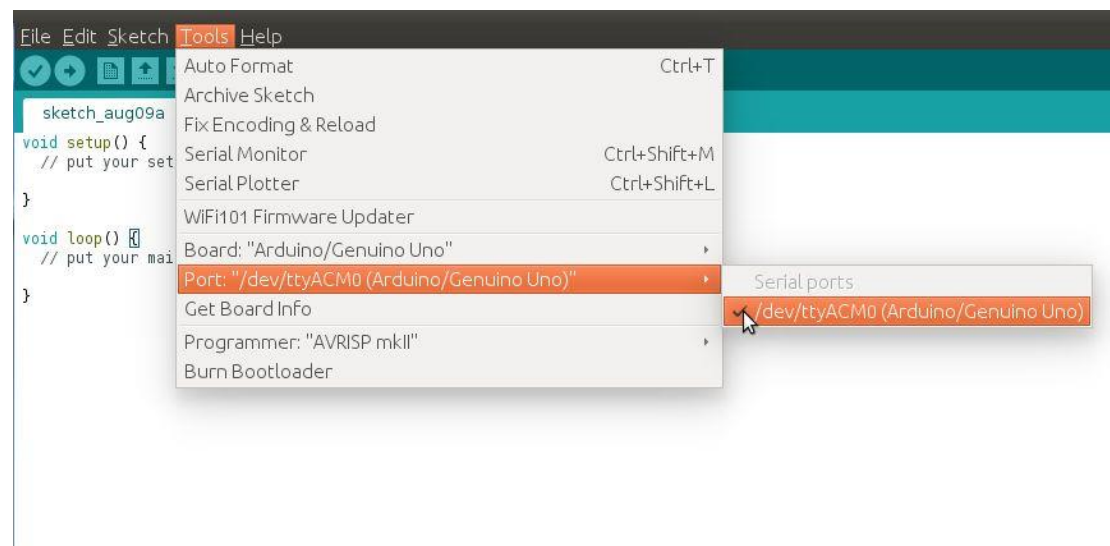
At the end of the installation, the terminal should look like the following:

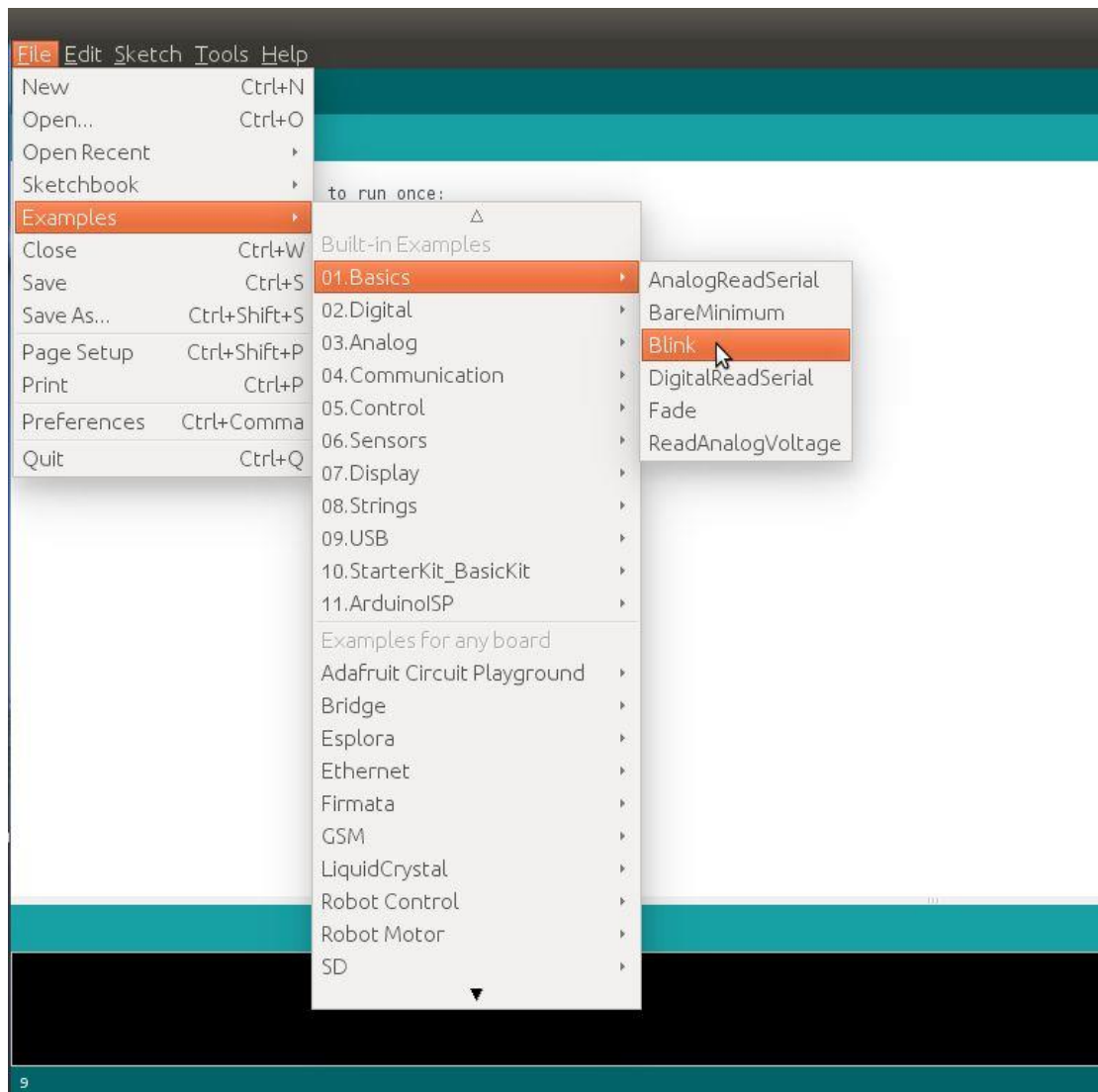
```

R01:~$ cd Downloads/
R01:~/Downloads$ ls
x64.tar.xz
R01:~/Downloads$ tar -Jxf arduino-1.8.5-linux64.tar.xz
R01:~/Downloads$ ls
arduino-1.8.5-linux64.tar.xz
R01:~/Downloads$ sudo mv arduino-1.8.5 /usr/share/arduino
r daniel:
R01:~/Downloads$ cd /usr/share/arduino-1.8.5/
R01:/usr/share/arduino-1.8.5$ ls
hardware      lib            revisions.txt  uninstall
install.sh    libraries     tools
java          reference     tools-builder
R01:/usr/share/arduino-1.8.5$ sudo ./install.sh
rtcut, menu item and file associations for Arduino
R01:/usr/share/arduino-1.8.5$ sudo ./arduino

```

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.