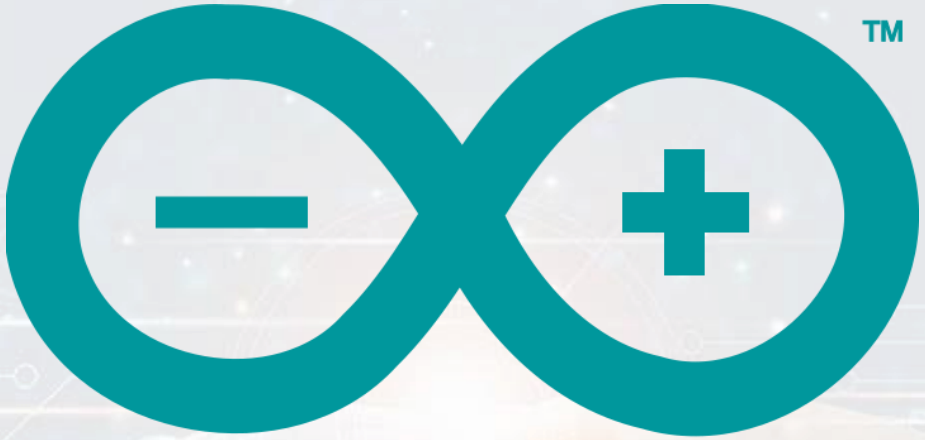


Arduino On Ubuntu

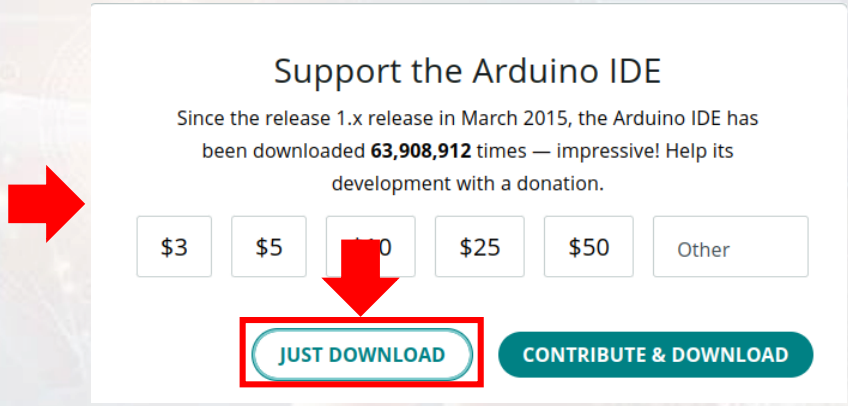
By TESR

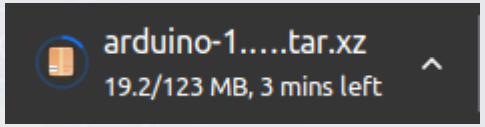
ROS2

Thai Embedded

Download Arduino

- **Download Link:** https://www.arduino.cc/en/software
- **Select Linux 64 bit**





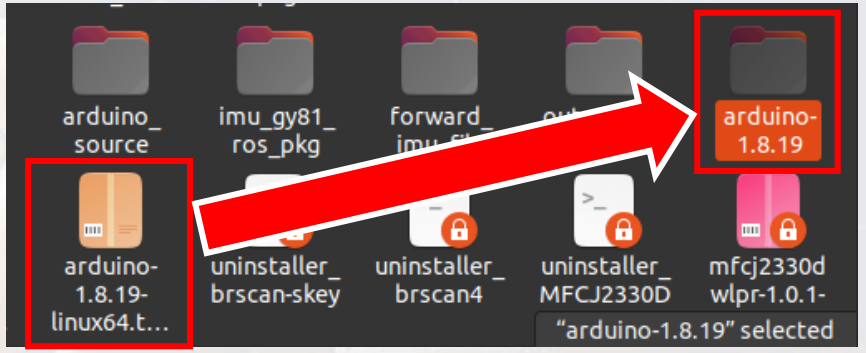
Thai Embedded

Extract arduino.tar.xz using tar

- After download, open terminal and type "cd ~/Downloads"
- extract arduino-1.8.19.tar.xz using:

```
sudo tar -xvf arduino-1.8.19-linux64.tar.xz
```

```
rengy@tesr-9939:~/Downloads$ sudo tar -xvf arduino-1.8.19-linux64.tar.xz
[sudo] password for rengy:
arduino-1.8.19/
arduino-1.8.19/arduino-linux-setup.sh
arduino-1.8.19/lib/
arduino-1.8.19/lib/version.txt
arduino-1.8.19/lib/commons-io-2.6.jar
arduino-1.8.19/lib/public.gpg.key
arduino-1.8.19/lib/arduino-core.jar
arduino-1.8.19/lib/batik-svg-dom-1.8.jar
```



Install Arduino

- Install arduino after extract .tar.xz file follow step below:
  - First, change current working directory to /arduino-1.8.19

```
cd arduino-1.8.19
```

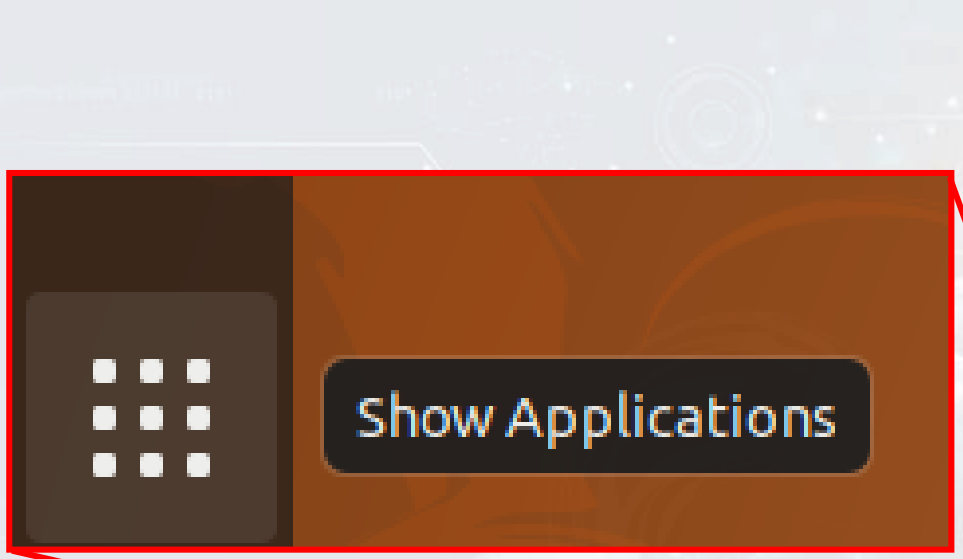
  - Second, use this command to install Arduino and wait until finish.

```
. install.sh
```

```
rengy@tesr-9939:~$ cd Downloads/
rengy@tesr-9939:~/Downloads$ cd arduino-1.8.19/
rengy@tesr-9939:~/Downloads/arduino-1.8.19$ ls
arduino                examples    java        revisions.txt  uninstall.sh
arduino-builder        hardware    lib         tools
arduino-linux-setup.sh  install.sh  libraries  tools-builder
rengy@tesr-9939:~/Downloads/arduino-1.8.19$ . install.sh
```

Open Arduino

- After install, you can find Arduino by click "Show Applications"



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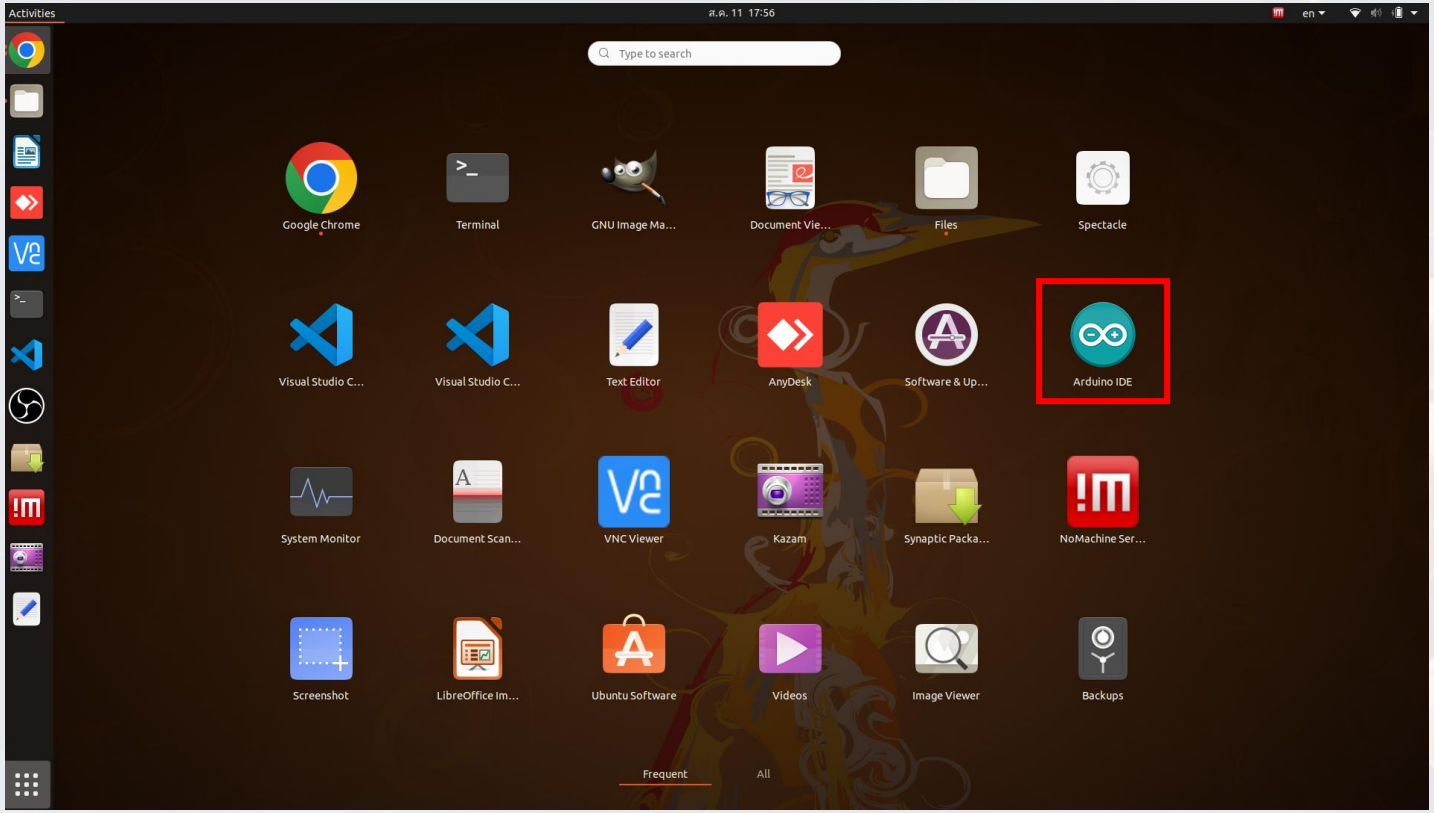
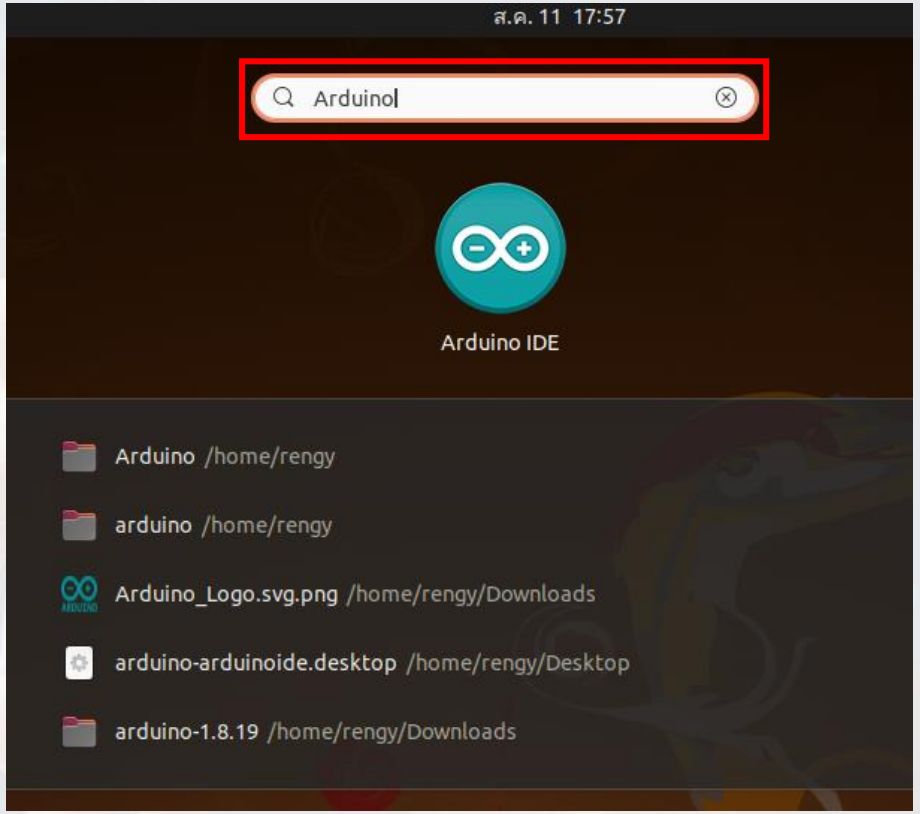
Open Arduino

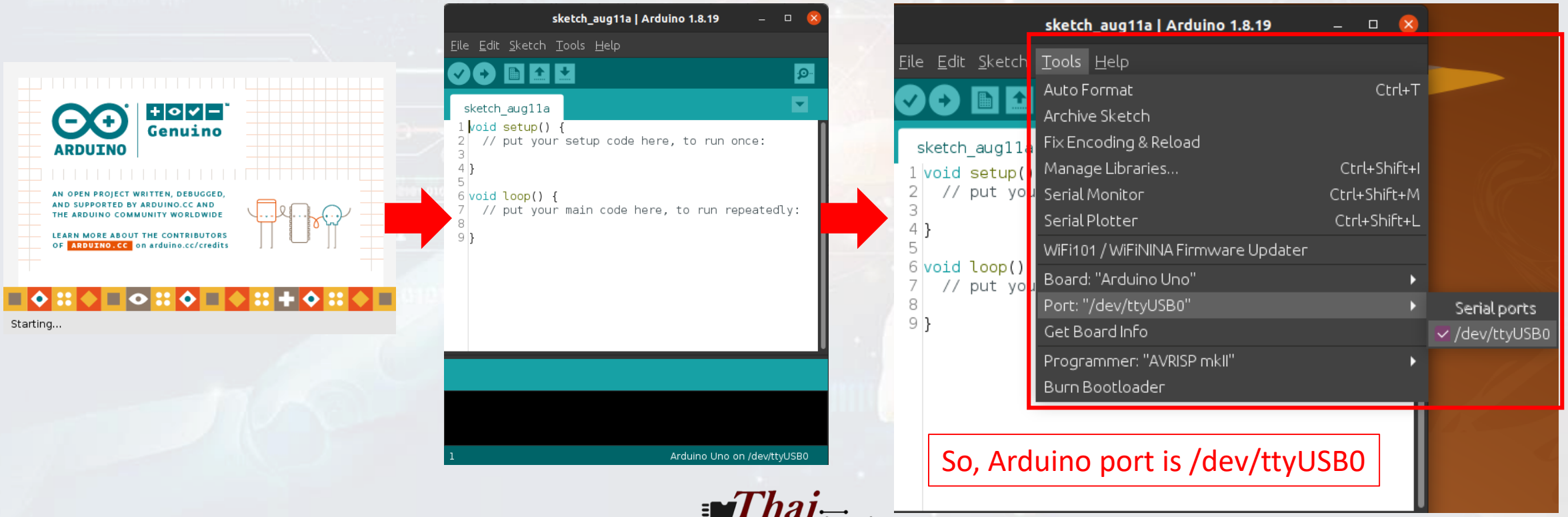
- You can find **Arduino** on Application screen or find in search box "**Arduino**"





Open Arduino

- Open Arduino IDE and then, connect USB wire to PC/Laptop. Then, you can check which port connected to your PC/Laptop by select Tools > port



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