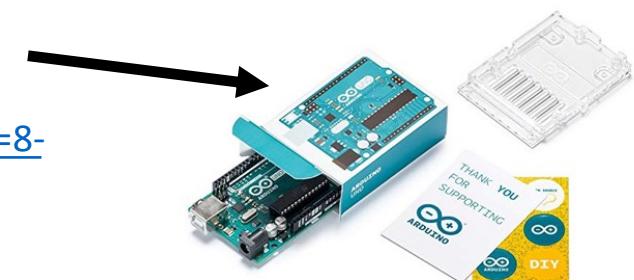


# Arduino Pre-class Preparations for Ubuntu 22.04 LTS

Joe Wilkes, PhD

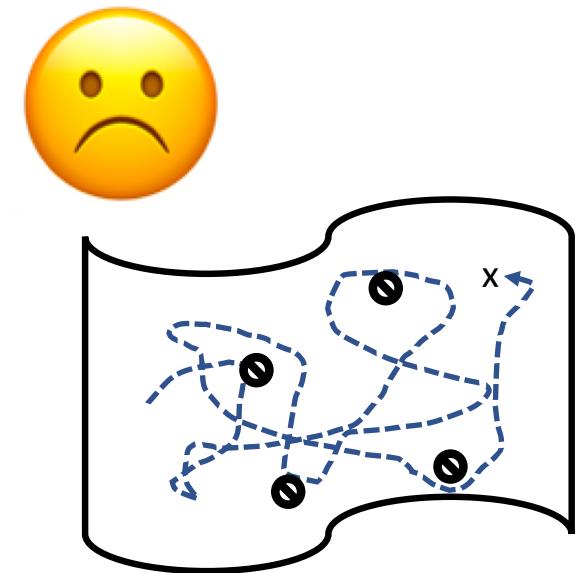
# Big Caveat!

- Not all boards that are sold under the Arduino name are the same
- Many of the Chinese clones use a different USB chip.
- Finding the drivers can be difficult
- It is suggested that you order your Arduino from
  - Adafruit (their version is licensed and called the metro)
    - <https://www.adafruit.com/product/50>
    - See note about downloading driver for board
  - Sparkfun
    - <https://www.sparkfun.com/products/11021>
  - Amazon (look for sold by Arduino and fulfilled by Amazon)
    - [https://www.amazon.com/Arduino-A000066-ARDUINO-UNO-R3/dp/B008GRTSV6/ref=sr\\_1\\_3?ie=UTF8&qid=1542548200&sr=8-3&keywords=arduino+uno+r3](https://www.amazon.com/Arduino-A000066-ARDUINO-UNO-R3/dp/B008GRTSV6/ref=sr_1_3?ie=UTF8&qid=1542548200&sr=8-3&keywords=arduino+uno+r3)

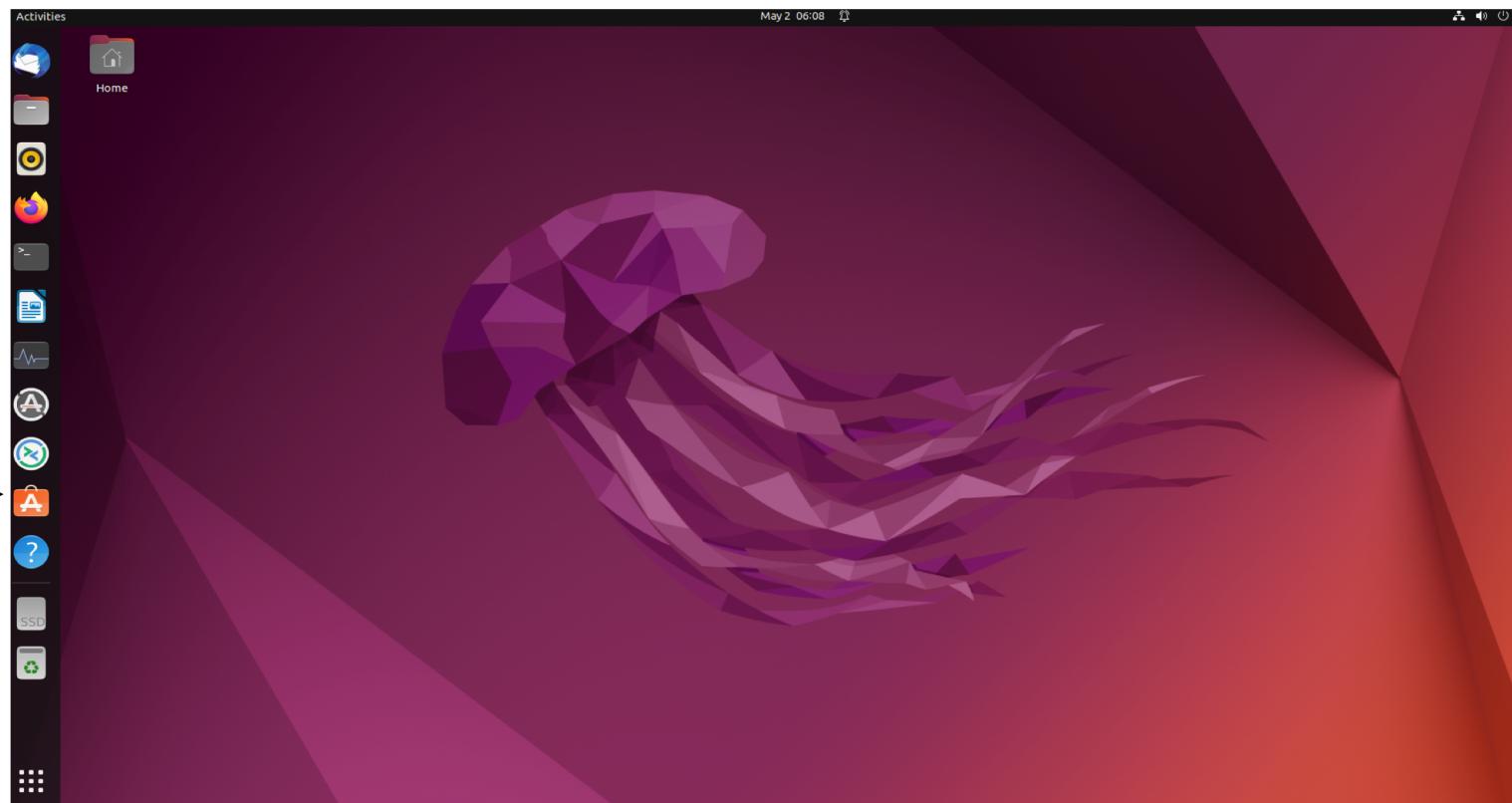


# Additional Information

- If you do not have a genuine Arduino
- In other words you bought a Chinese clone by mistake
- All is not lost
- You may have to go into treasure hunt mode
- To find the driver for your board
- Hint: If you find the driver on a website in Mandarin
  - Click on the big button to download the driver
  - Mac users need to google for directions on using an earlier driver
- If you can't find it,  
please come to first class early and  
someone can probably help you



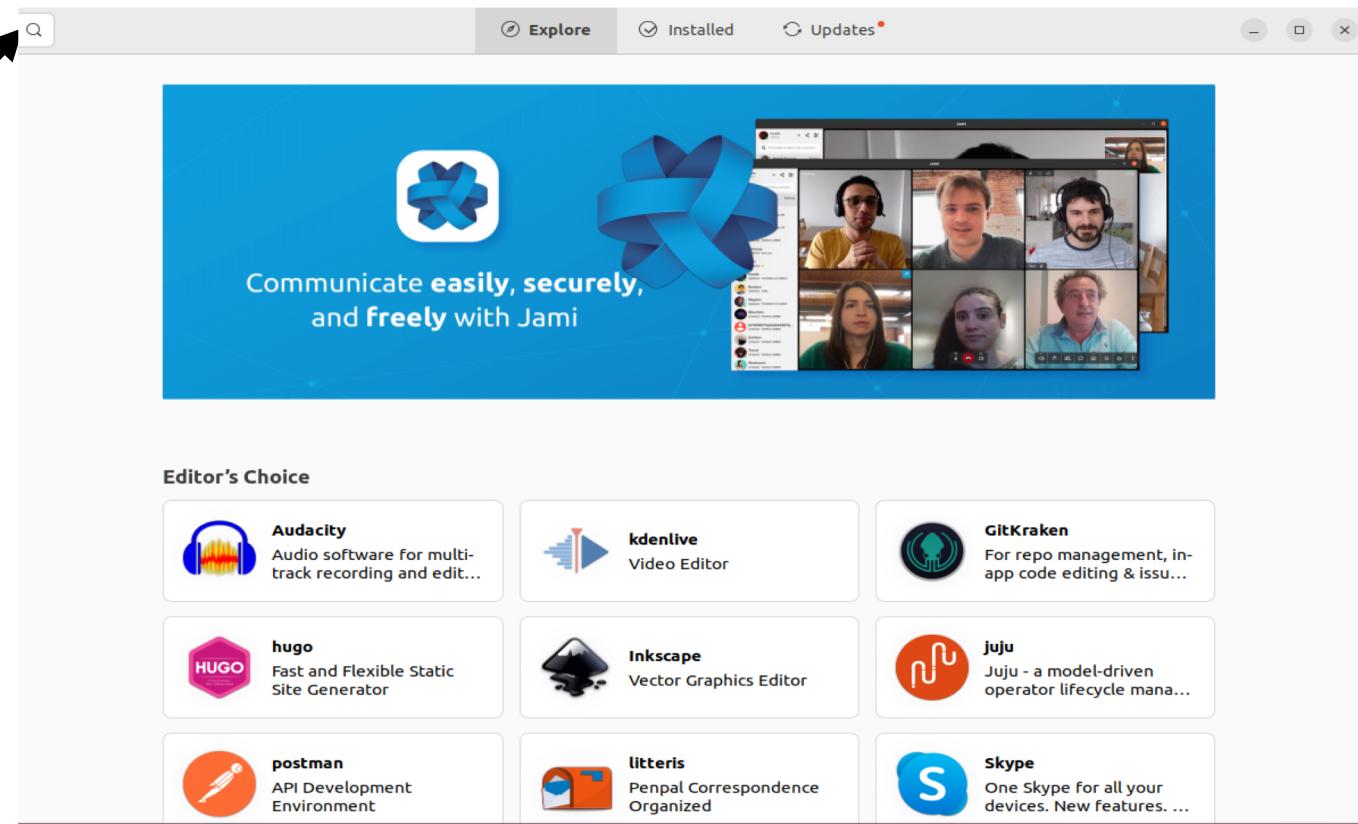
# Installing Arduino on Ubuntu 22.04 LTS – Step 1



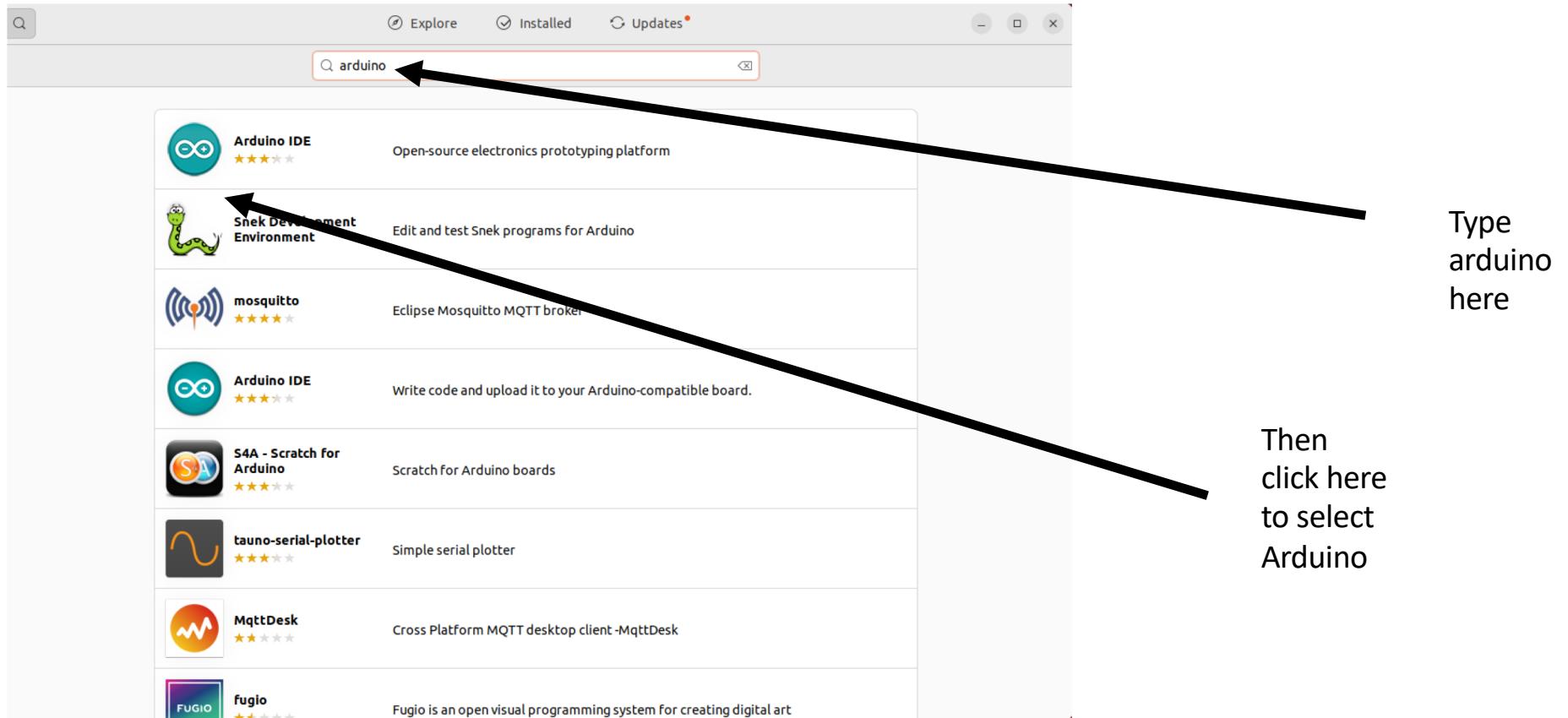
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# Installing Arduino on Ubuntu 22.04 – Step 2

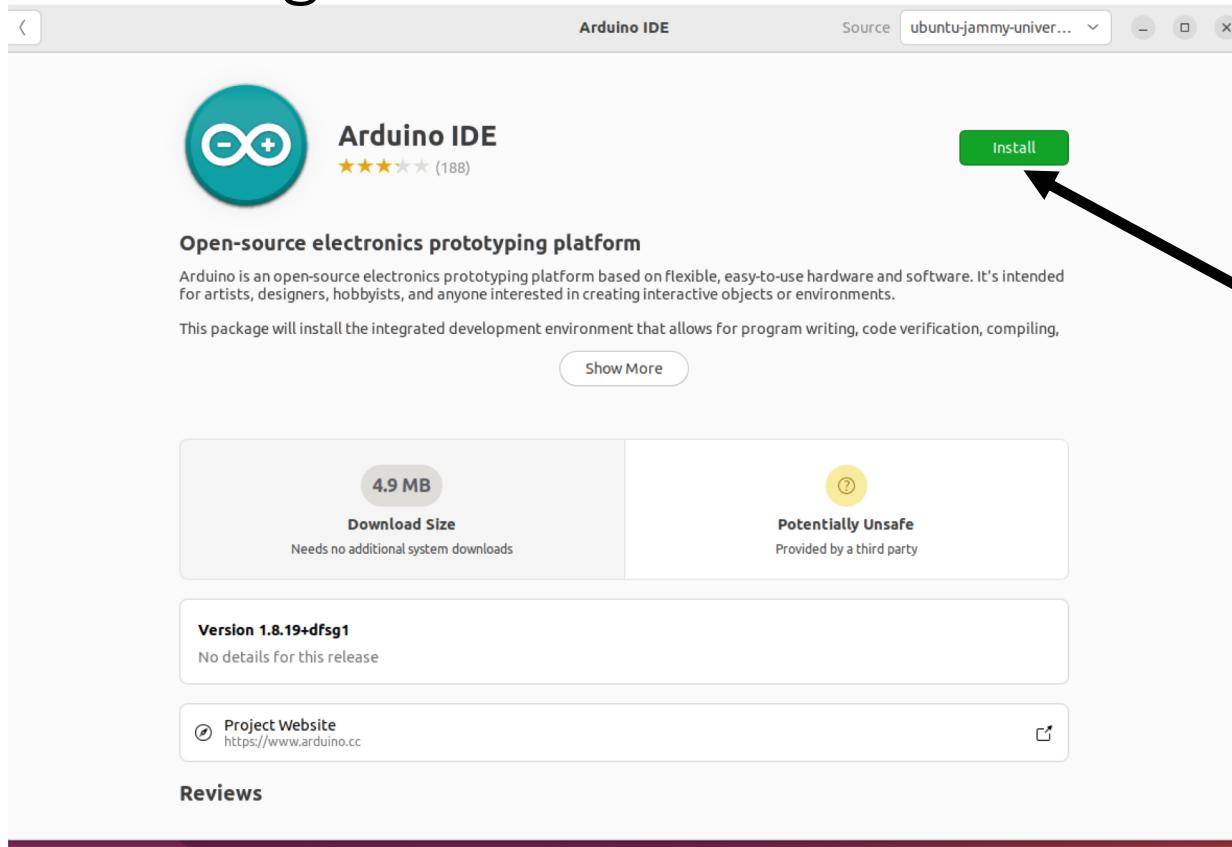
Click here  
To get to  
open  
search  
function



# Installing Arduino on Ubuntu 22.04 LTS – Step 3

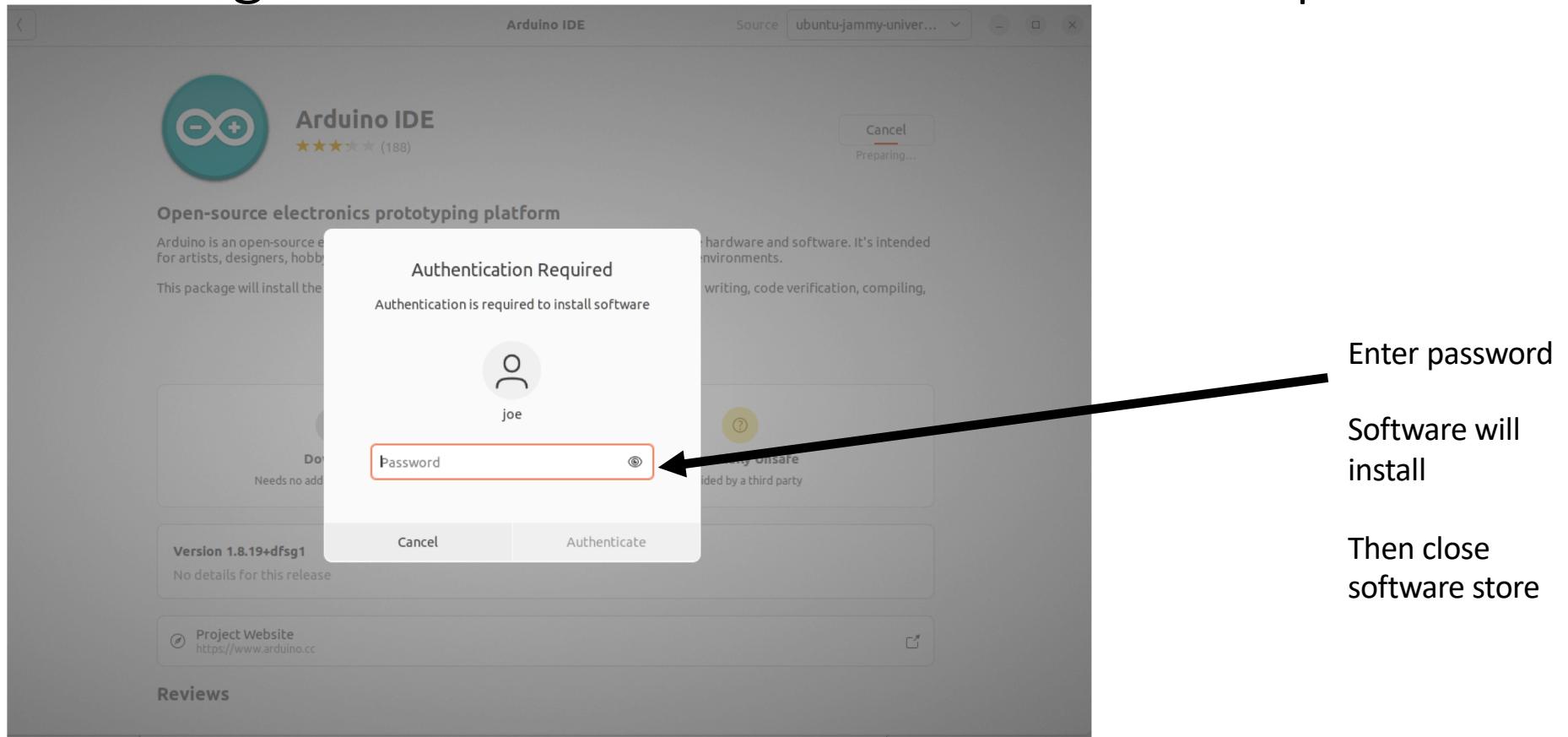


# Installing Arduino on Ubuntu 22.04 LTS – Step 4

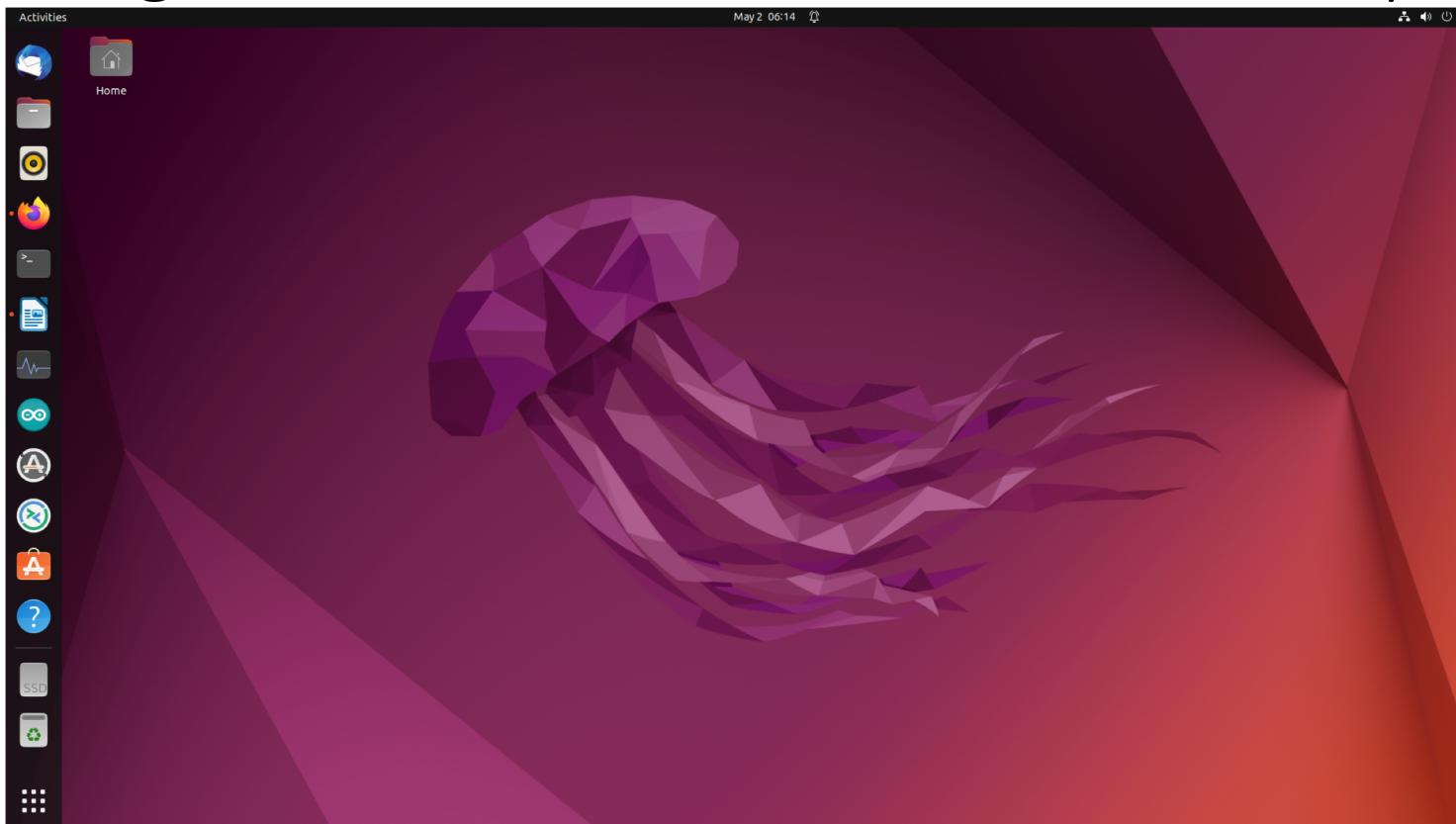


Then  
click here  
to install  
arduino

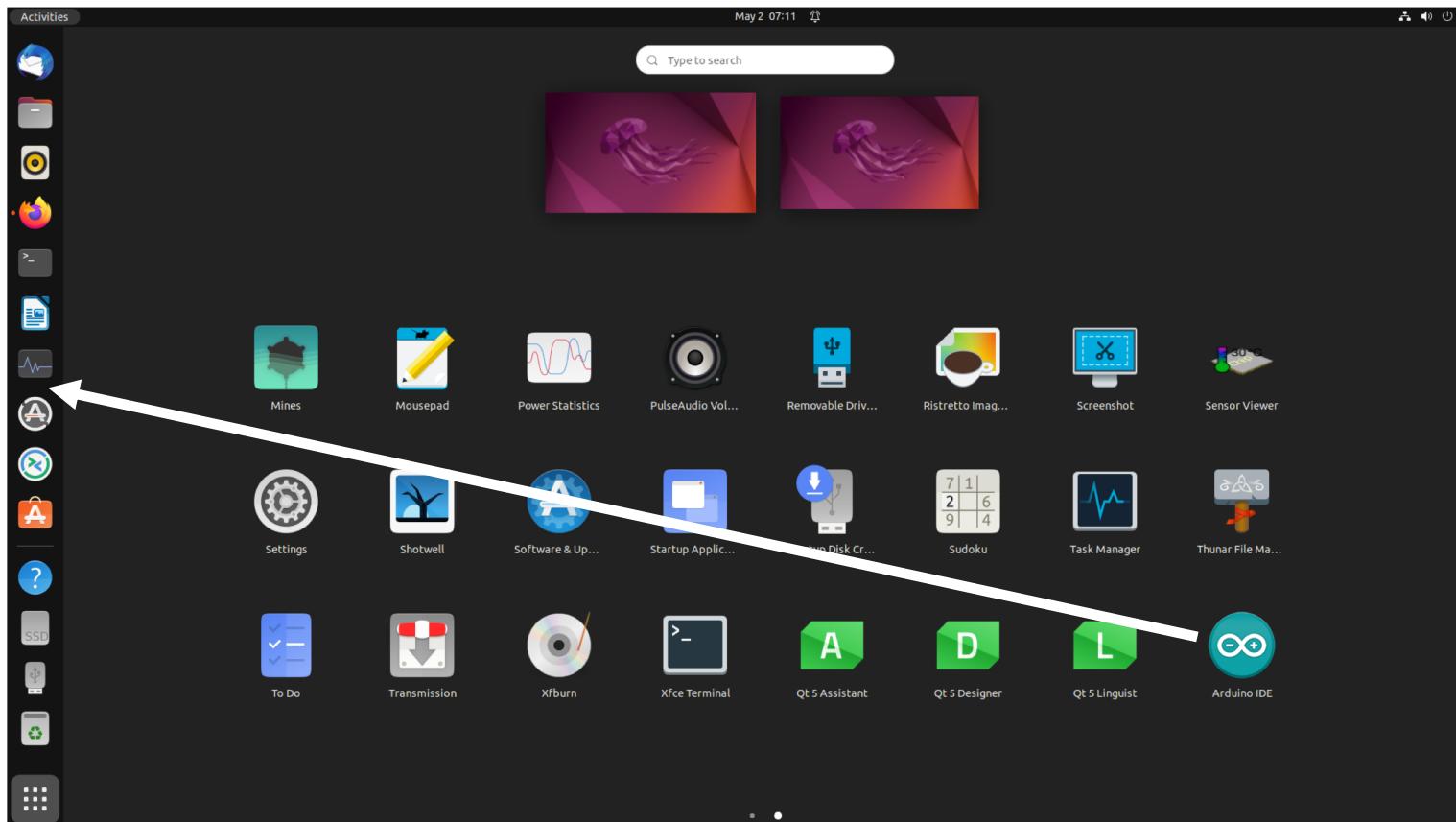
# Installing Arduino on Ubuntu 22.04 LTS – Step 5



# Installing Arduino on Ubuntu 22.04 LTS – Step 6



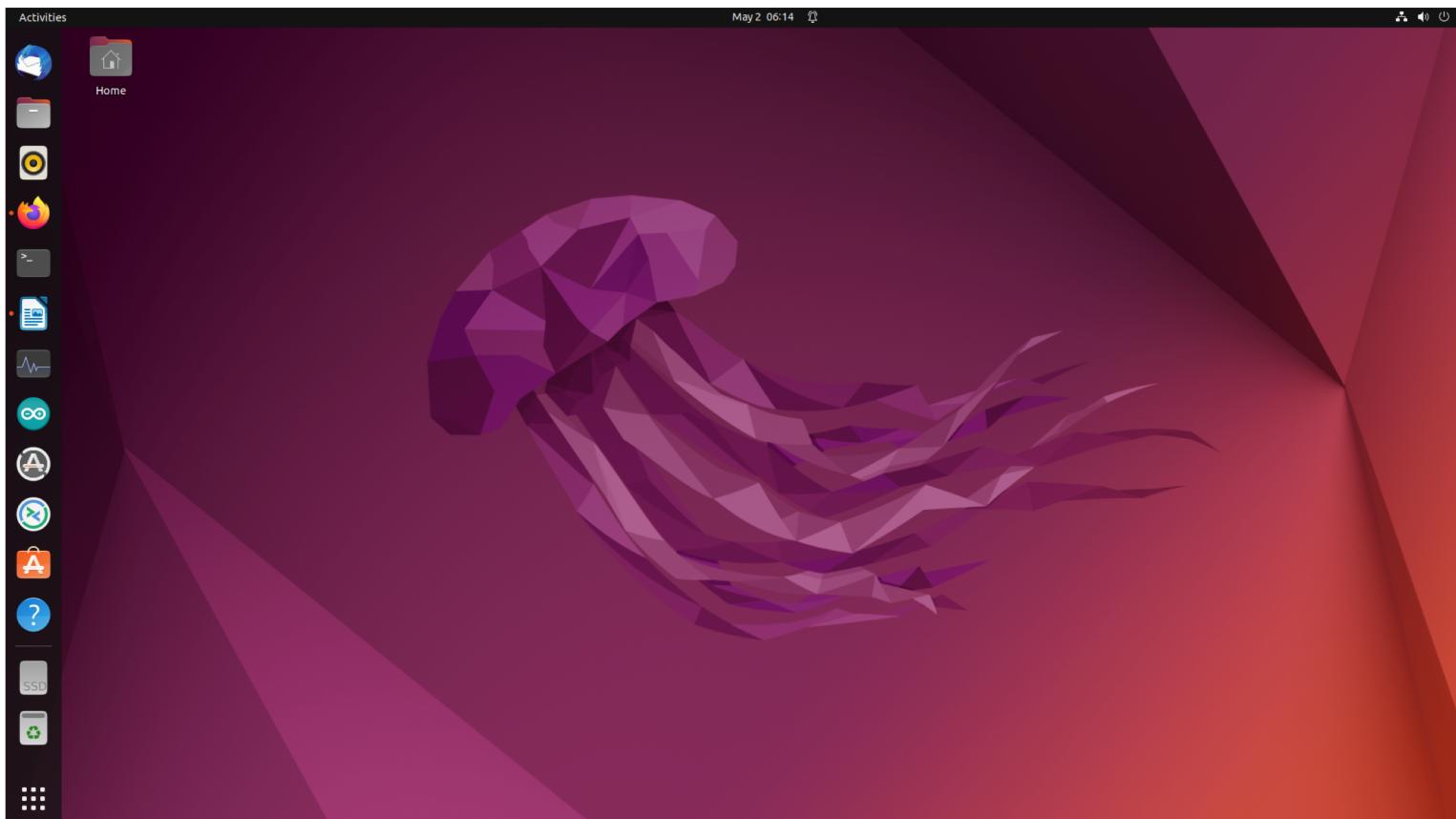
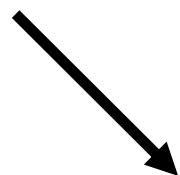
# Installing Arduino on Ubuntu 22.04 LTS – Step 7



Optionally  
Drag icon  
To shortcut  
menu

# Installing Arduino on Ubuntu 22.04 LTS – Step 8

Arduino development environment launched from here



# Arduino Development Environment is Installed

- In class:
- We will show how to connect Arduino to laptop
- We will show how to establish connection to Arduino
- We will show the most simple program