

# Arduino Pre-class Preparations

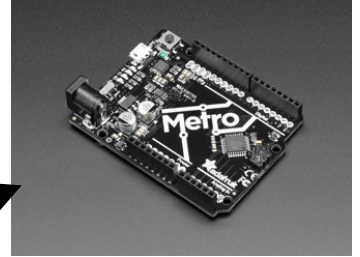
Joe Wilkes, PhD

# Introduction

- This material will guide the student through the downloading and installation of the Arduino Development Environment
- It is in three versions:
  - Windows
  - Mac
  - Linux
- You only need to do the version for the Operating System on your laptop
- If you need additional help see
  - <https://www.arduino.cc/en/Guide/HomePage>
  - Scroll down to the "Install the Arduino Desktop IDE" section
- Also come to the first class early
- Please see important notes on the next two pages!

# 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 the 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>

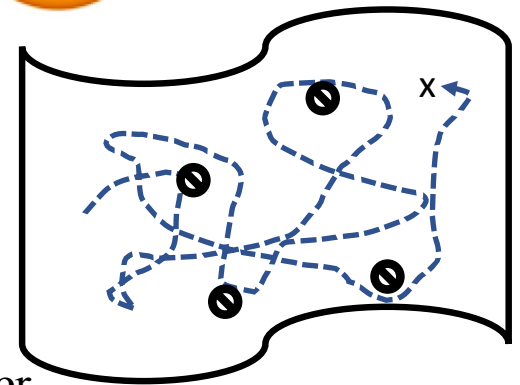
- Amazon (look for sold by Arduino and fulfilled by Amazon)

- [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



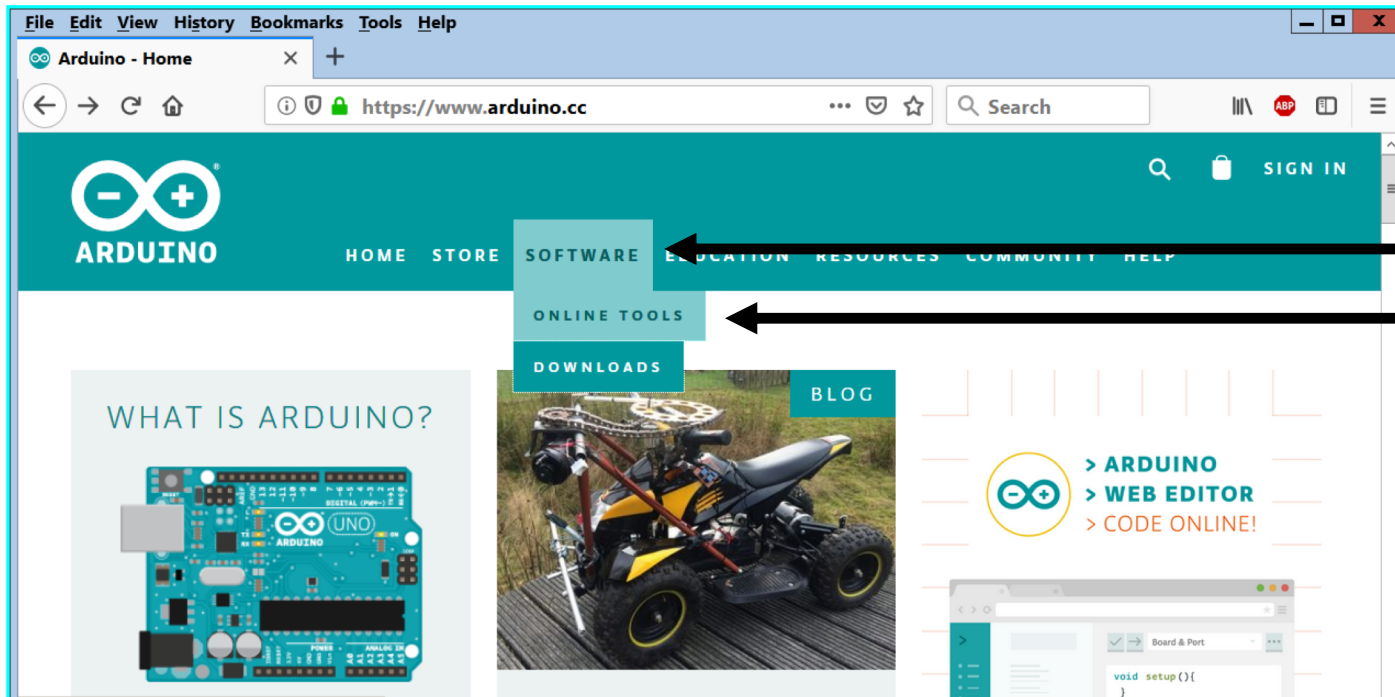
# Windows Installation

Pages ( 5 - 16)

# Download the Software - 1

- Go to <https://www.arduino.cc/en/Main/Software>
- Scroll down the page to find " Download the Arduino IDE"
- Click on the link for "Windows Installer, for Windows XP and up"
- Follow the directions on the next pages

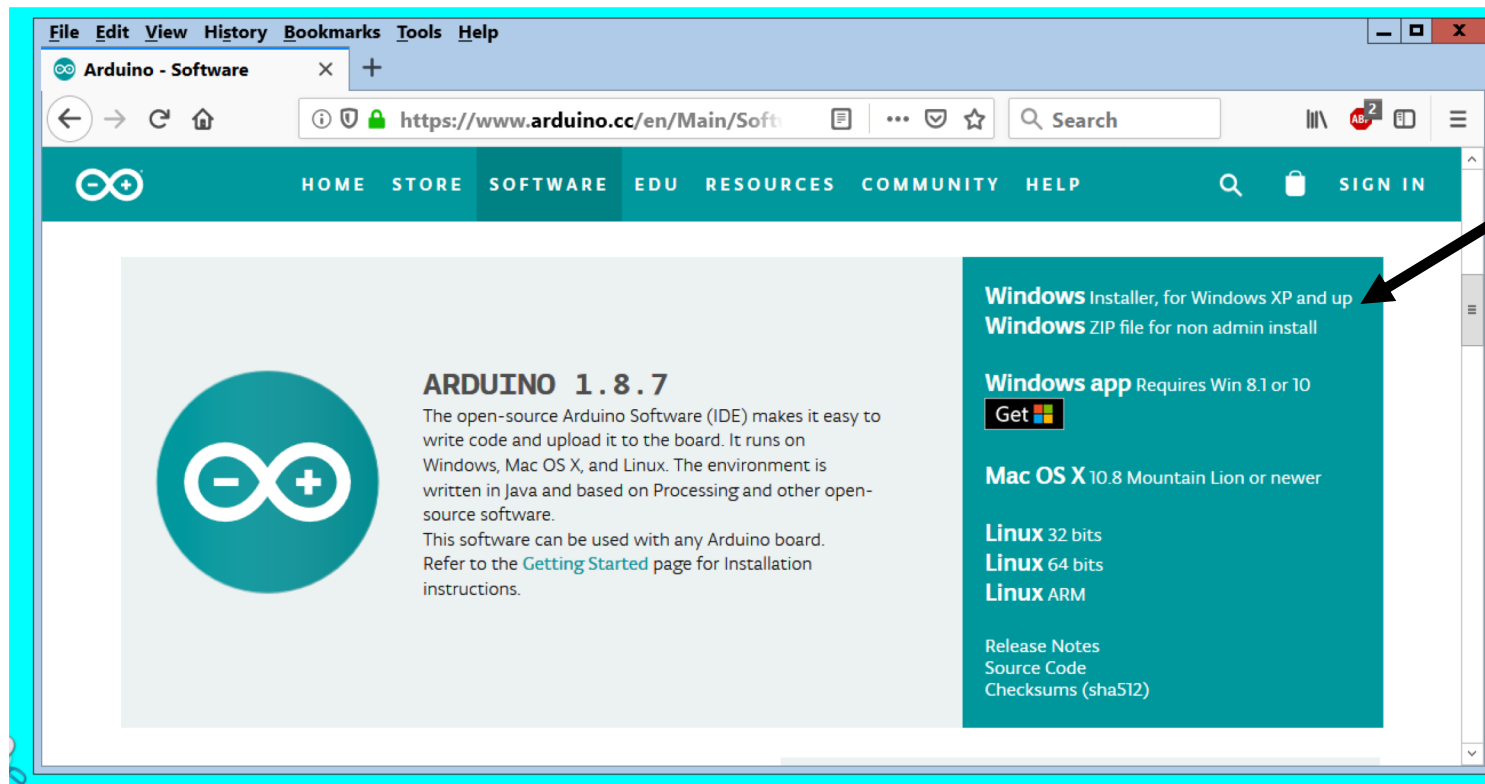
# Download the Software - 2



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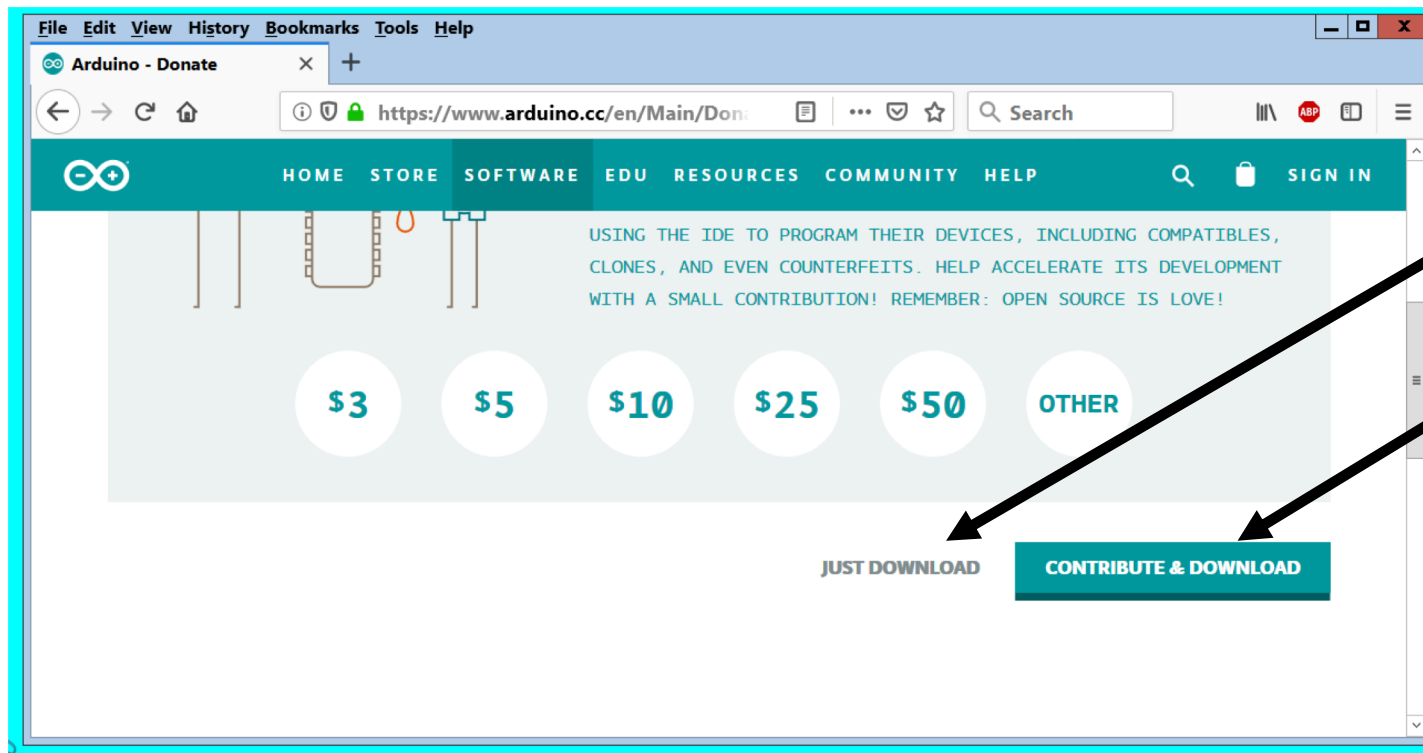
# Download the Software - 3



Click here



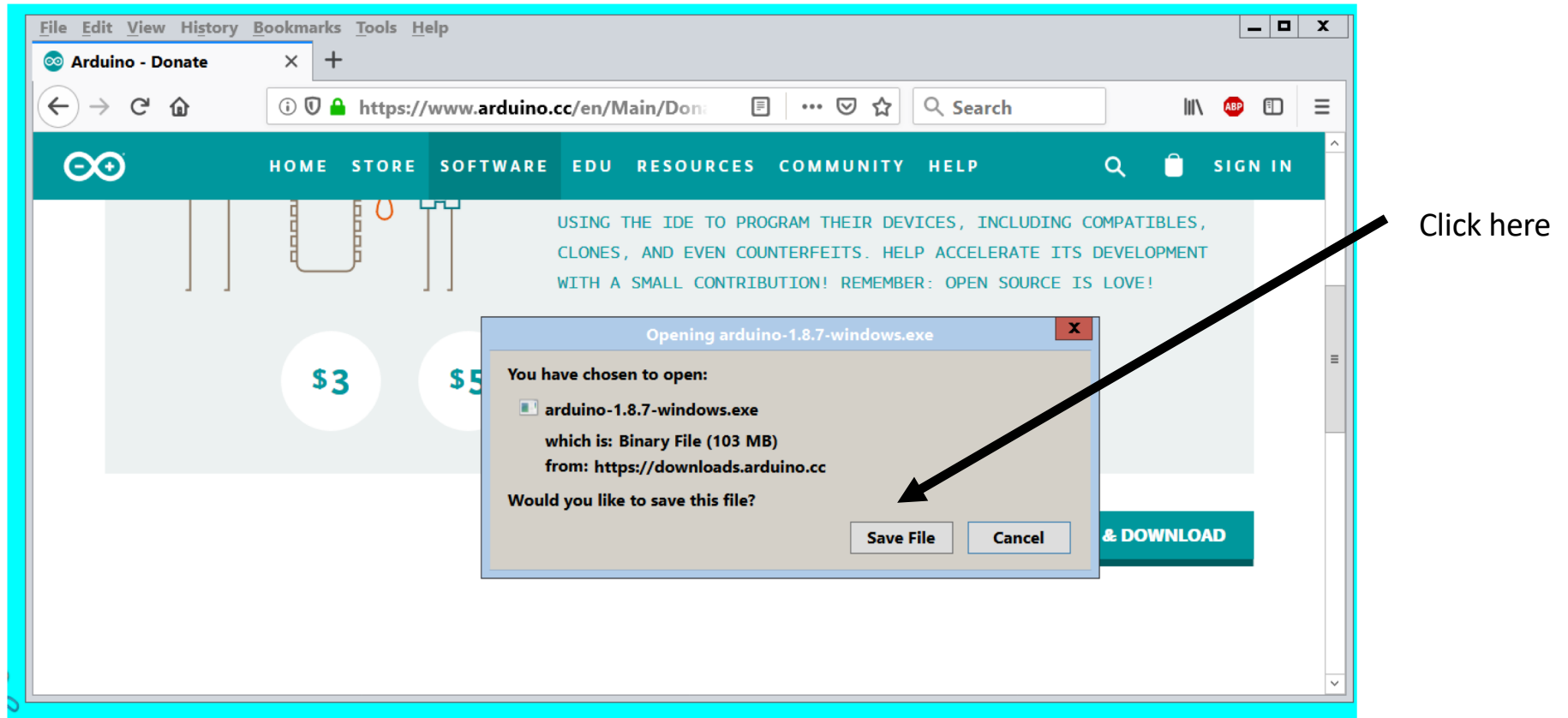
# Download the Software - 4



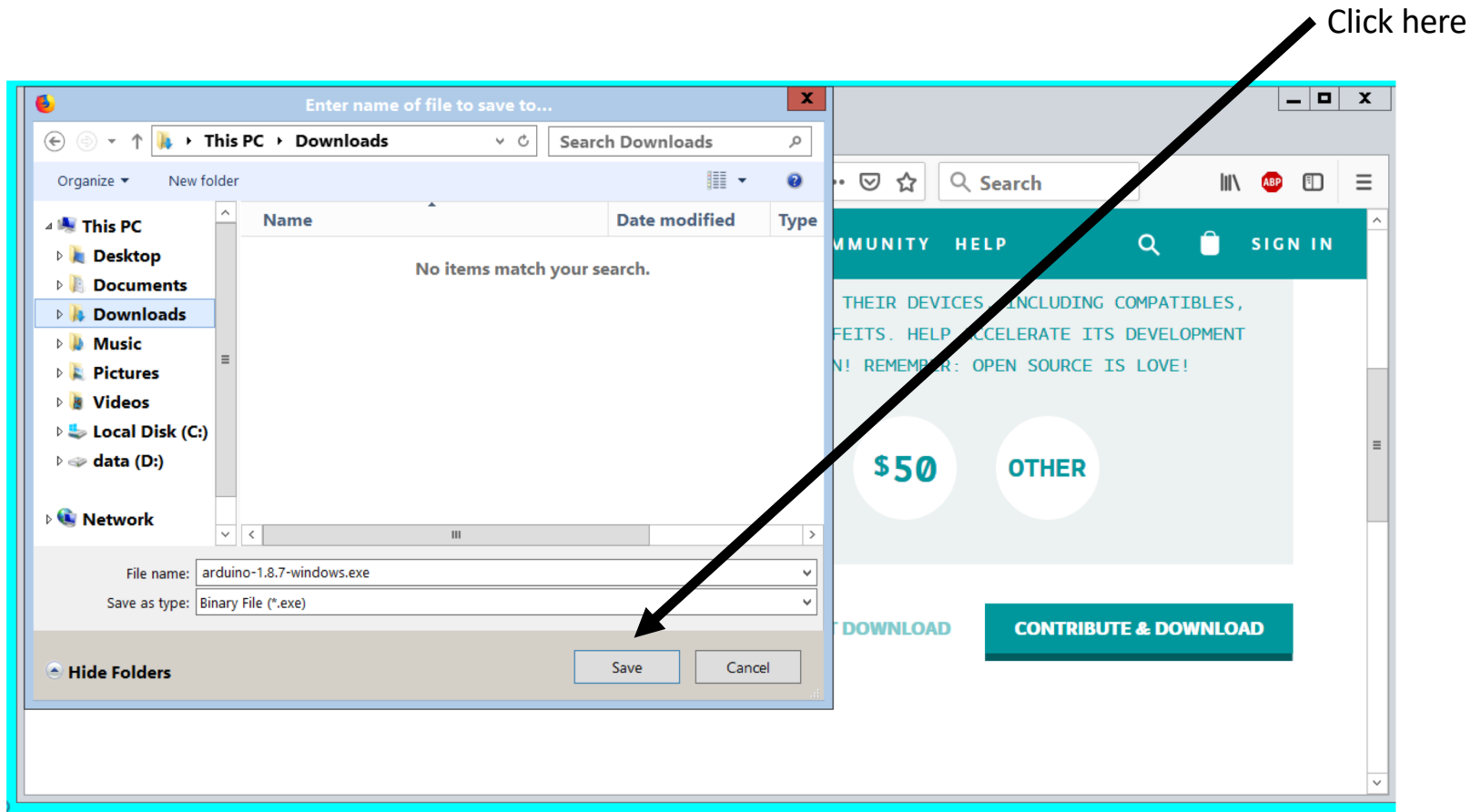
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Or Click here

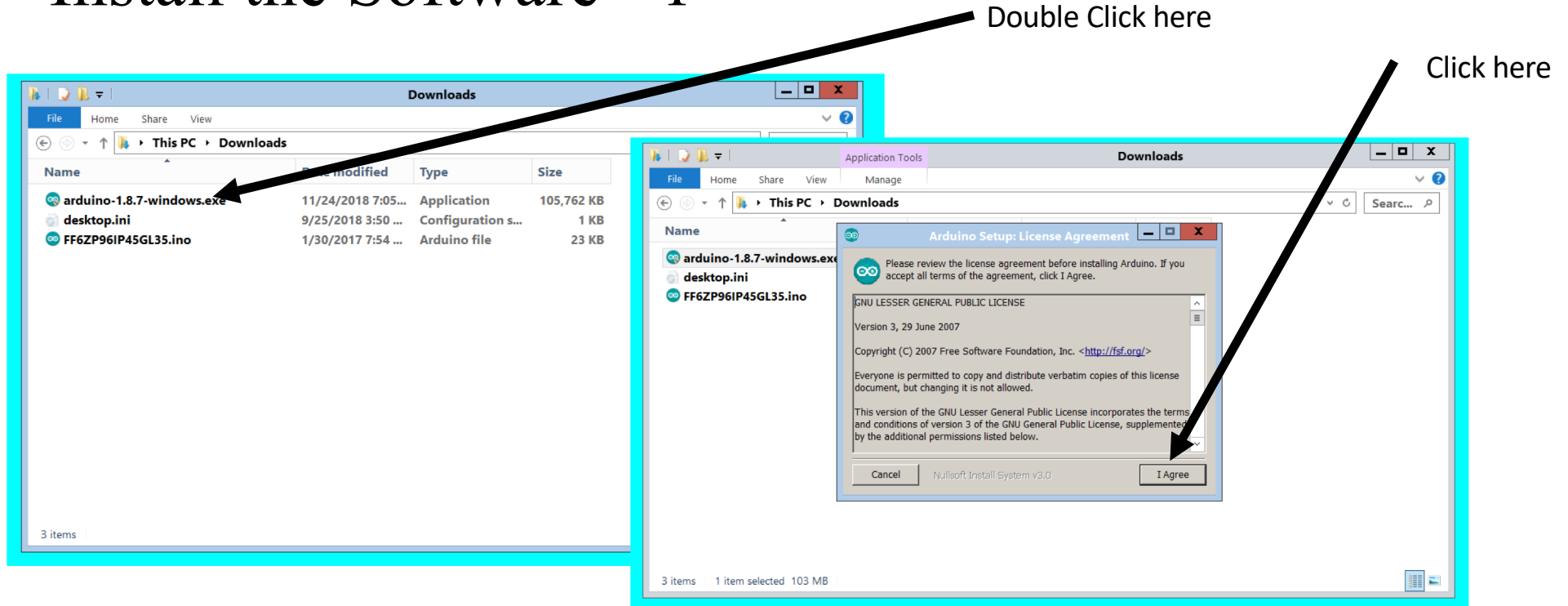
# Download the Software - 5



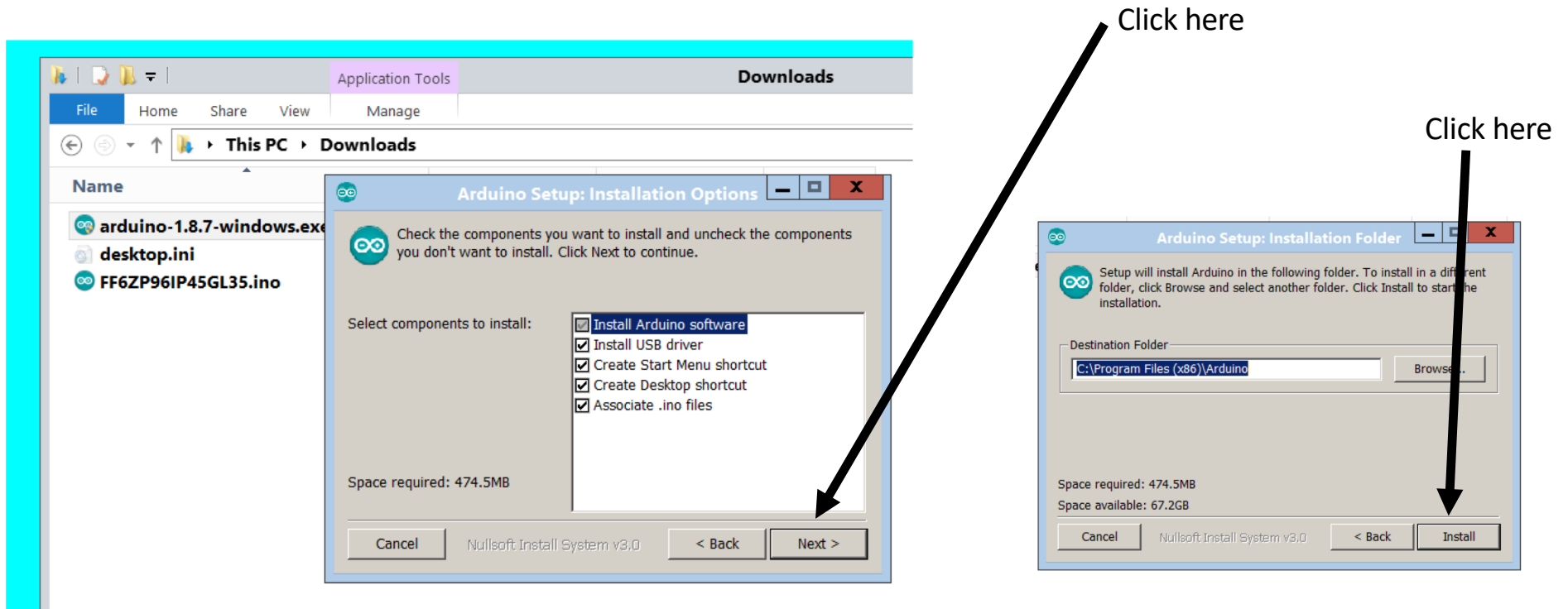
# Download the Software - 6



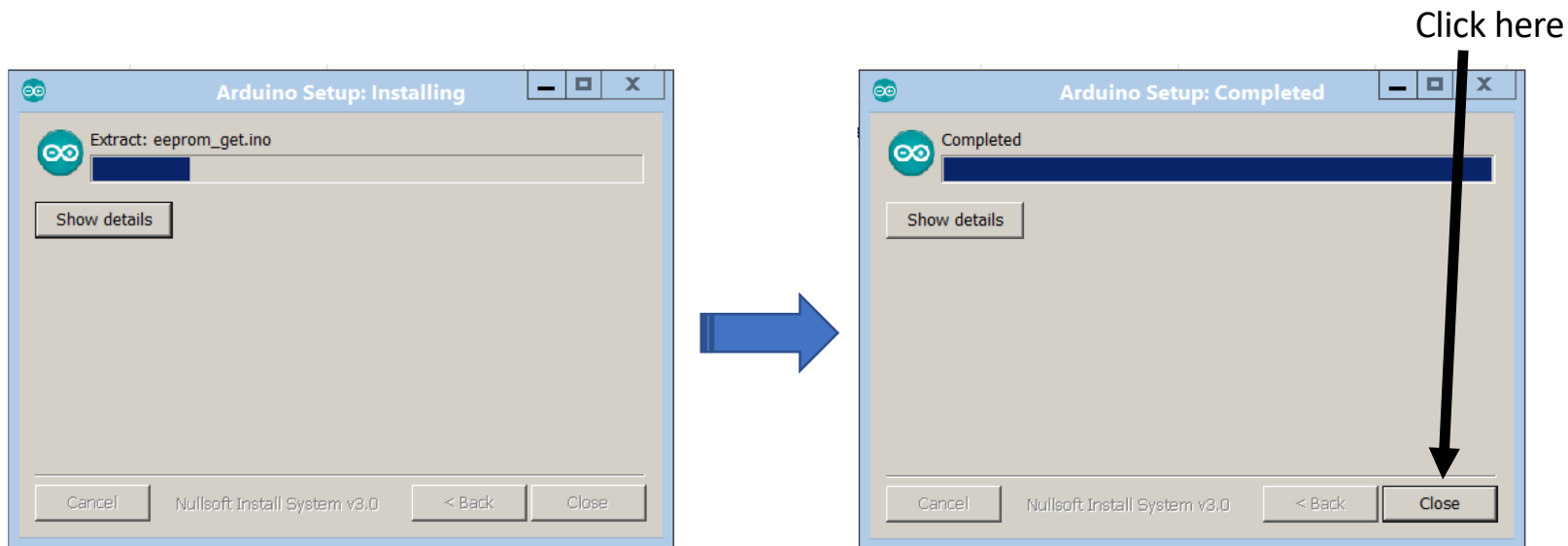
# Install the Software - 1



# Install the Software - 2



# Install the Software - 3



# 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

Stop!  
You are now done

Other pages are for Other Operating Systems