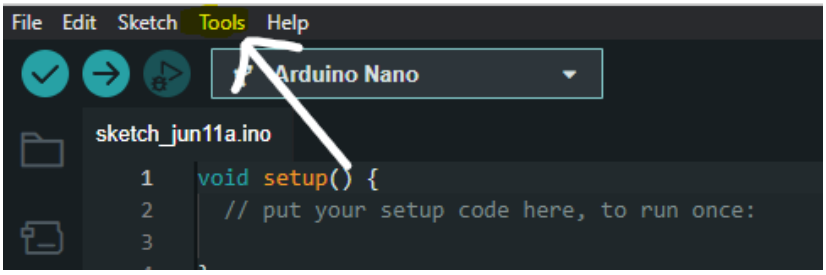
Arduino IDE Installation & Getting Started

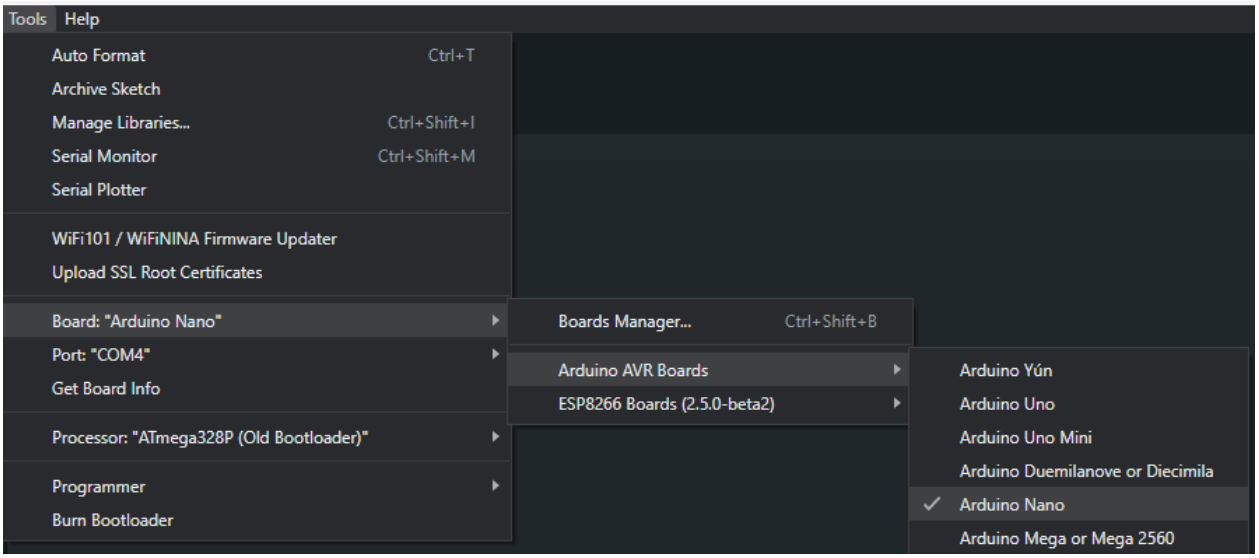
1. Download the latest version of the IDE from https://www.arduino.cc/en/software
2. Run the installer

Ensure your Arduino Nano is plugged into your computer and the Red power LED is illuminated.

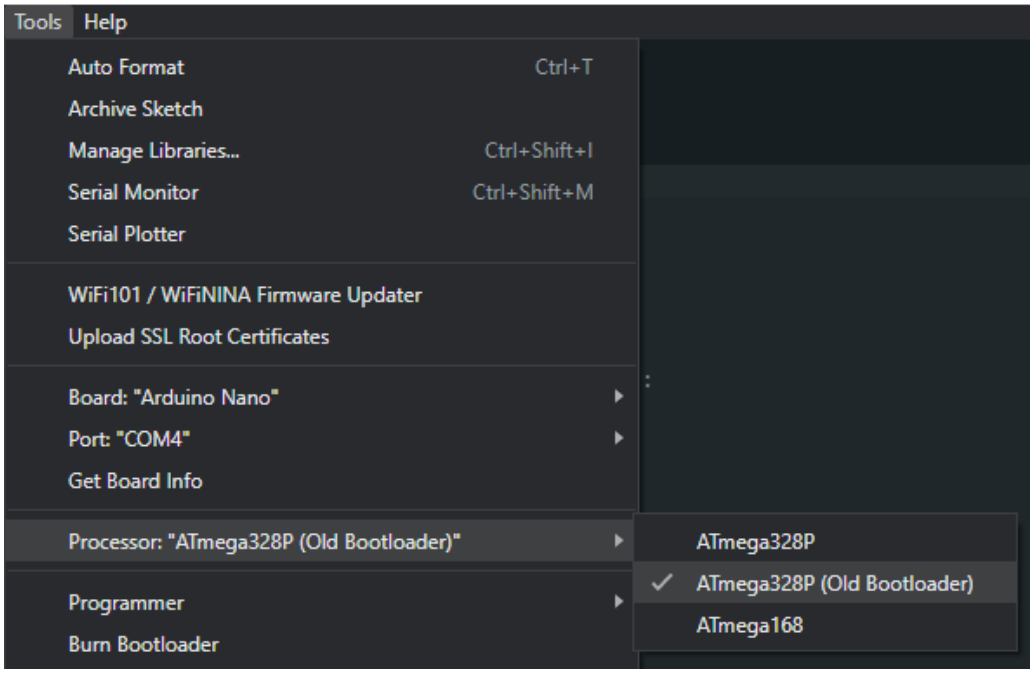
1. Open the '*boardTest.ino*' file which you were given in the Arduino IDE. This will be used to test that everything is working correctly.
2. Open the '*Tools*' Menu in the top menu bar



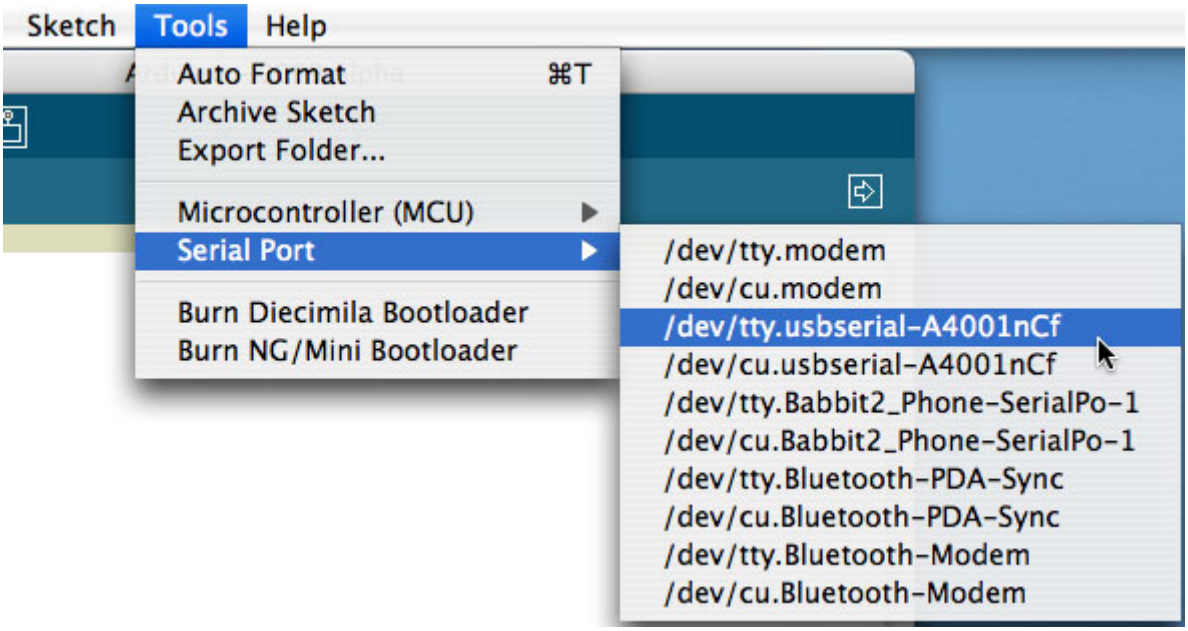
3. Select '*Arduino Nano*' under '*Board*', then '*Arduino AVR Boards*'



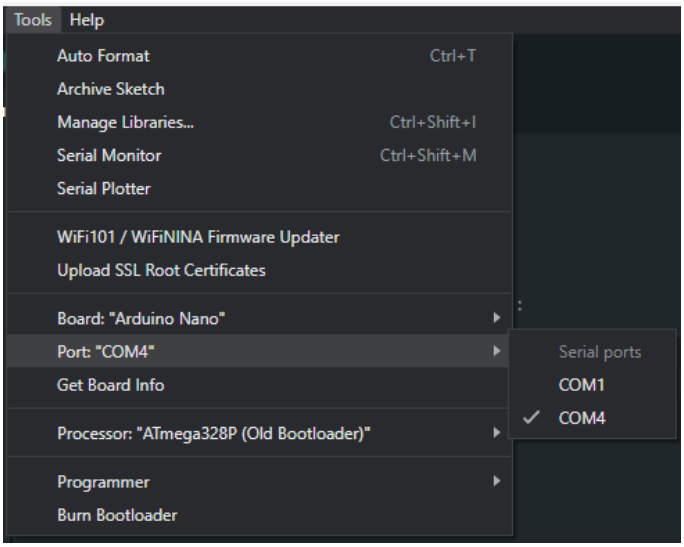
4. Open the '*Tools*' menu once again, but this time select '*Processor*', then '*ATmega328P* ***(Old Bootloader)***'



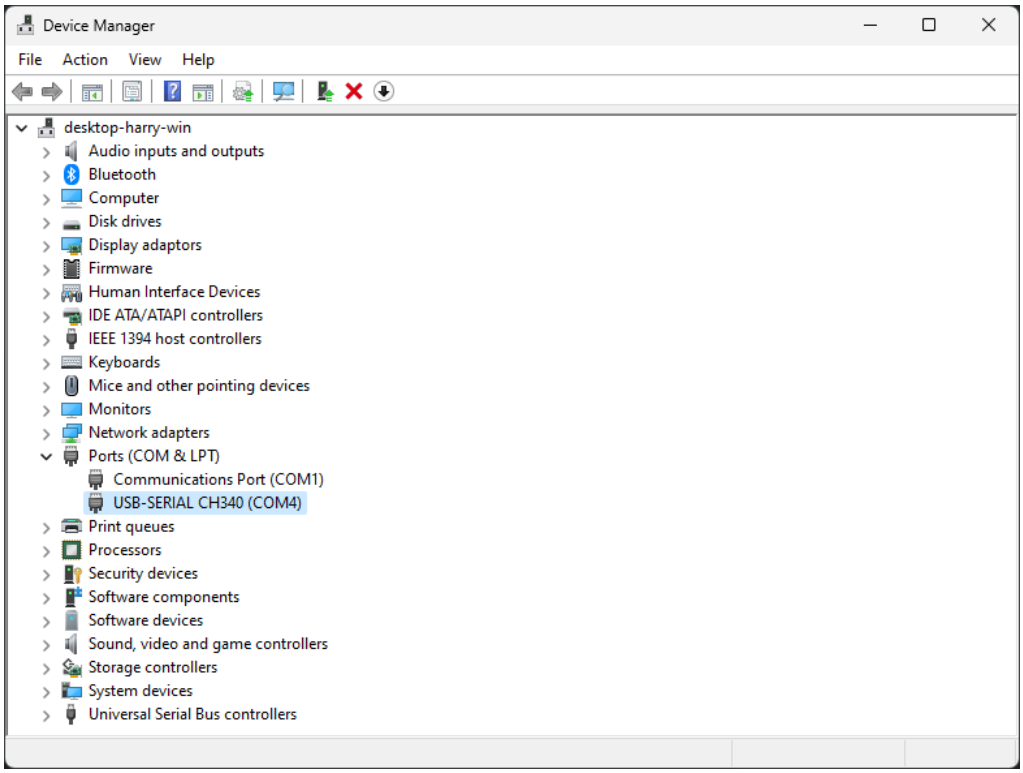
5. Open the '*Tools*' menu one last time and open the '*Port*' menu.
    - If on a Mac, there should be a port named something beginning with '*tty.usb*'



- If on Windows, there may be multiple '*COM*' ports with different numbers.

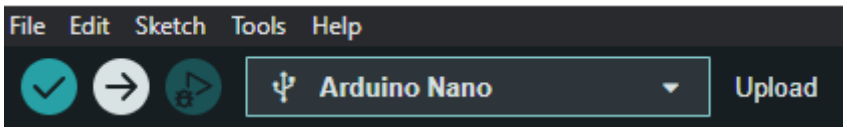


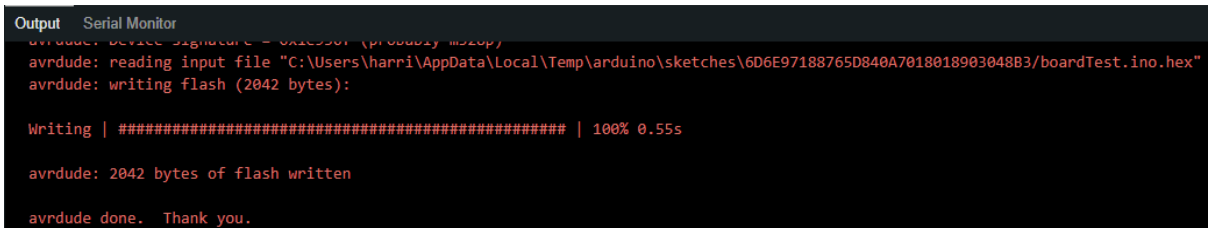
If there is only one, select it. Otherwise, to find the correct one, search for '*Device Manager*' from the Start Menu and open the dropdown for '*Ports (COM & LPT)*'. There should be a device called '*USB-SERIAL CH340*' with a '*COM*' number in



brackets. Select this '*COM*' number in Arduino IDE.

6. Once this is all configured, click the arrow in the top left corner to upload the code to your board.
   An Output popup should appear, and if no errors occur will show '*avrdude done. Thank you.*'





If an error occurs, please ask for assistance.

7. To test that everything is working correctly, press the button you soldered to the circuit board and all five LEDs should light up. If not, please ask for assistance.