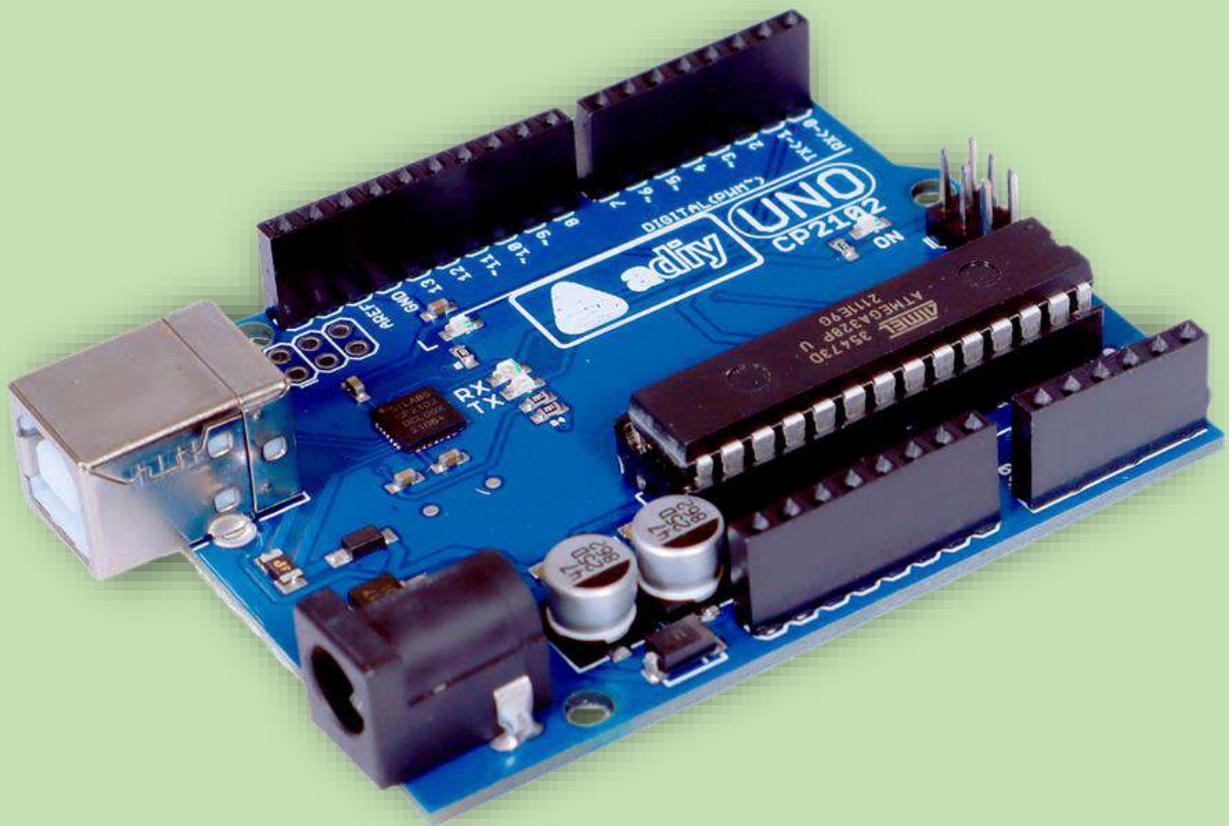


USER GUIDE

ADIY UNO Compatible – CP2102

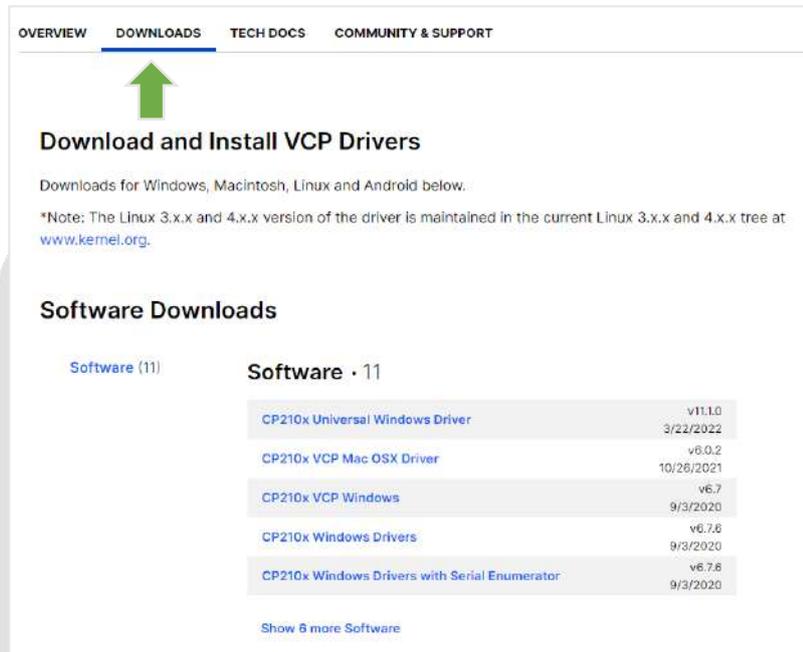


Install the CP2102 Drivers

You can download CP2102 USB to UART VCP Drivers from the following link:

[CP210x USB to UART Bridge VCP Drivers - Silicon Labs \(silabs.com\)](https://silabs.com/CP210x-USB-to-UART-Bridge-VCP-Drivers)

Select download link according to the operating system.



The screenshot shows the 'Downloads' section of the Silicon Labs website. It features a navigation bar with 'OVERVIEW', 'DOWNLOADS', 'TECH DOCS', and 'COMMUNITY & SUPPORT'. A green arrow points to the 'Downloads' tab. Below the navigation bar, the heading 'Download and Install VCP Drivers' is displayed, followed by a note about Linux versions. A 'Software Downloads' section lists 11 items, including 'CP210x Universal Windows Driver', 'CP210x VCP Mac OSX Driver', 'CP210x VCP Windows', 'CP210x Windows Drivers', and 'CP210x Windows Drivers with Serial Enumerator'. A 'Show 6 more Software' link is at the bottom.

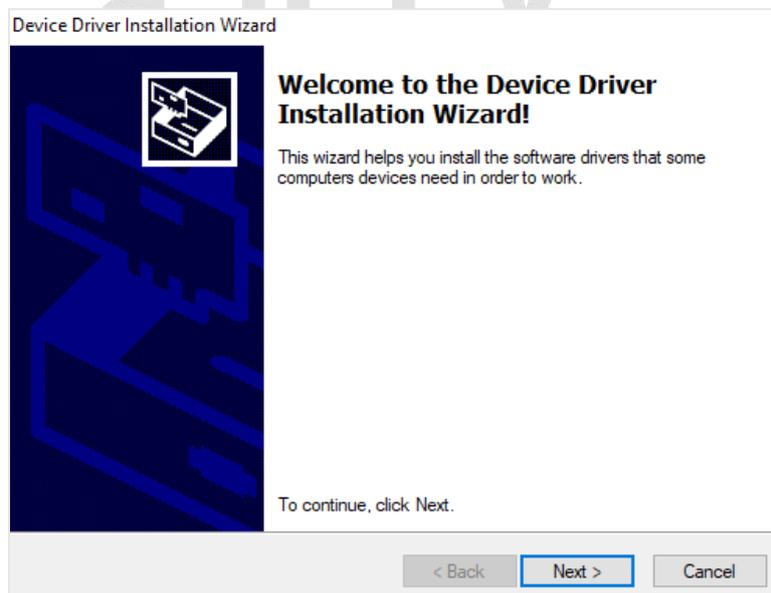
Software	Version
CP210x Universal Windows Driver	v11.1.0
CP210x VCP Mac OSX Driver	v8.0.2
CP210x VCP Windows	v6.7
CP210x Windows Drivers	v6.7.6
CP210x Windows Drivers with Serial Enumerator	v6.7.6

After downloading drivers, unzip the files to desired location on your desktop. Download the driver (.exe) according to your operating system.

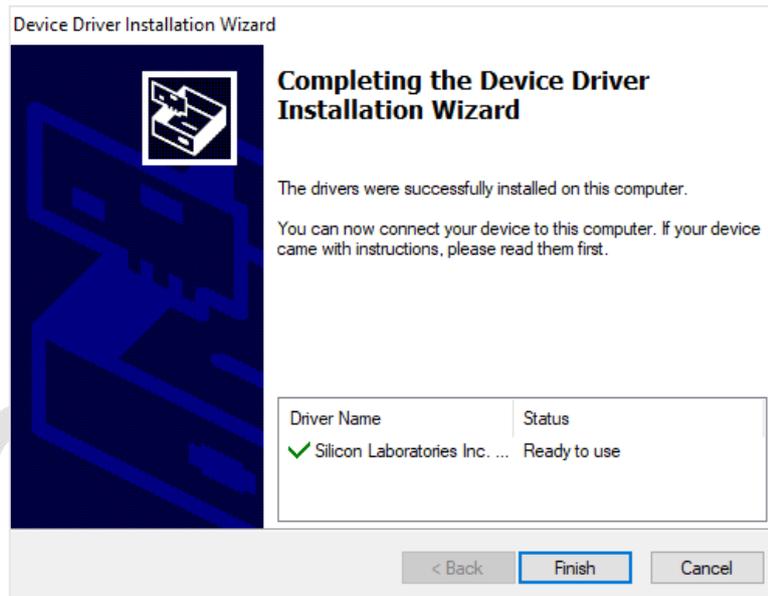
CP210xVCPInstaller_x64 for 64-bit.

CP210xVCPInstaller_x86 for 32-bit.

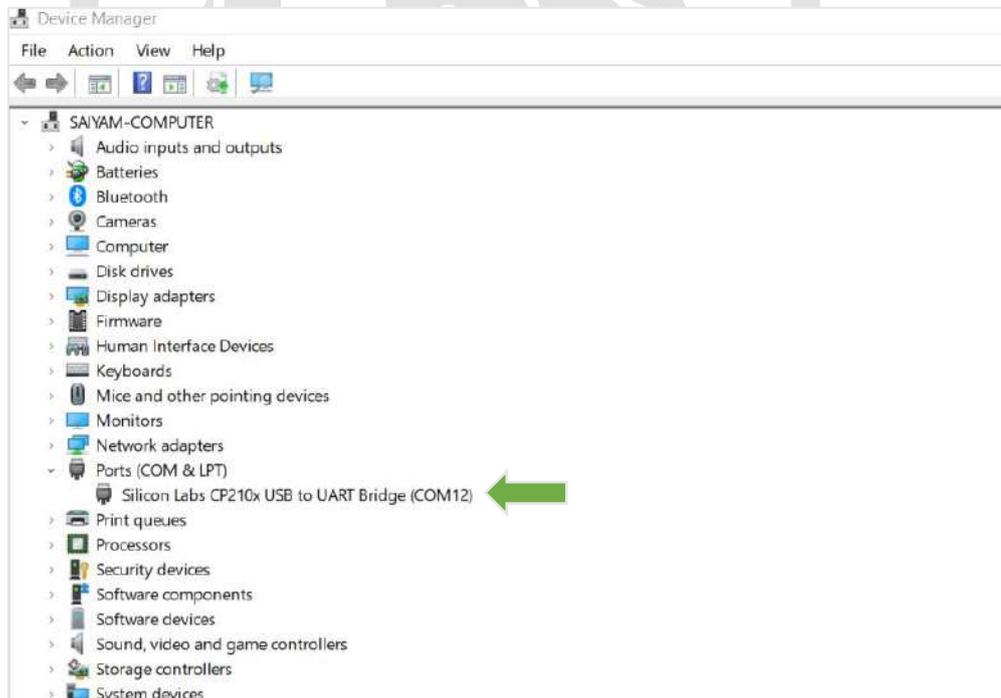
Run the file. Select “Next” button when you see dialogue box on desktop and install the drivers.



After installation is completed, click on “Finish”.



Open device manager in your PC/laptop and check ports section. Check and verify if board is detected.



When you see the device name (Silicon Labs CP210x USB to UART Bridge) appeared in port section, drivers are installed successfully.

Install the Arduino Desktop IDE

You can download latest version of Arduino IDE from the following link: [Software | Arduino](#)

Select download link according to the operating system.

Downloads



Arduino IDE 1.8.19

The open-source Arduino Software (IDE) makes it easy to write code and upload it to the board. This software can be used with any Arduino board.

Refer to the [Getting Started](#) page for Installation instructions.

SOURCE CODE

Active development of the Arduino software is [hosted by GitHub](#). See the instructions for [building the code](#). Latest release source code archives are available [here](#). The archives are PGP-signed so they can be verified using [this](#) gpg key.

DOWNLOAD OPTIONS

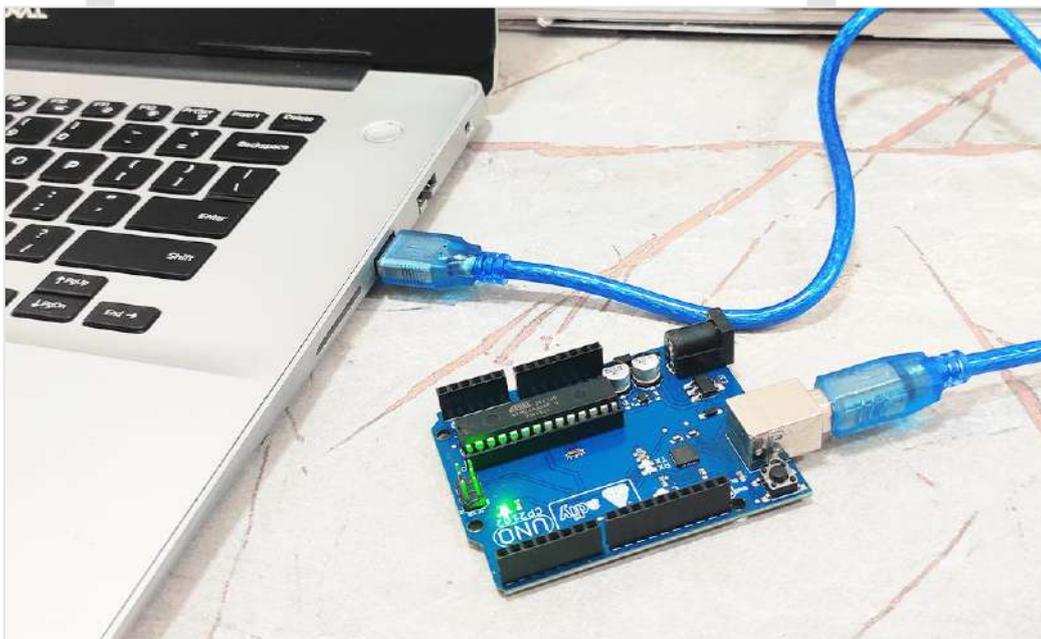
Windows Win 7 and newer
Windows ZIP file
Windows app Win 8.1 or 10 [Get](#)

Linux 32 bits
Linux 64 bits
Linux ARM 32 bits
Linux ARM 64 bits

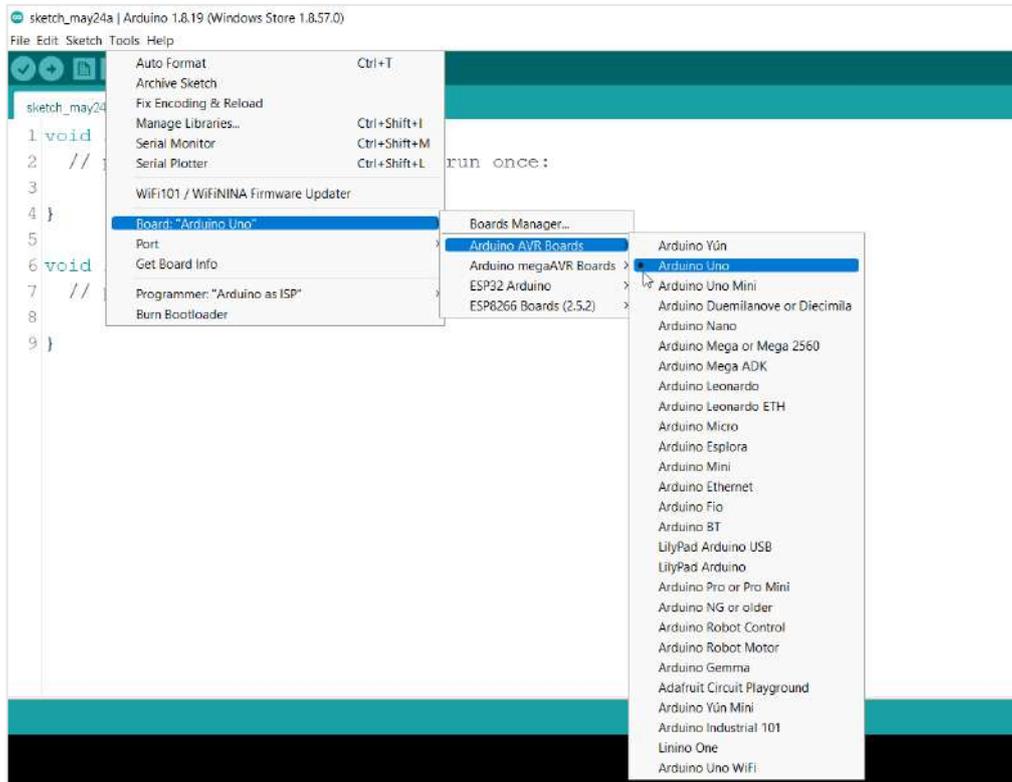
Mac OS X 10.10 or newer

[Release Notes](#)
[Checksums \(sha512\)](#)

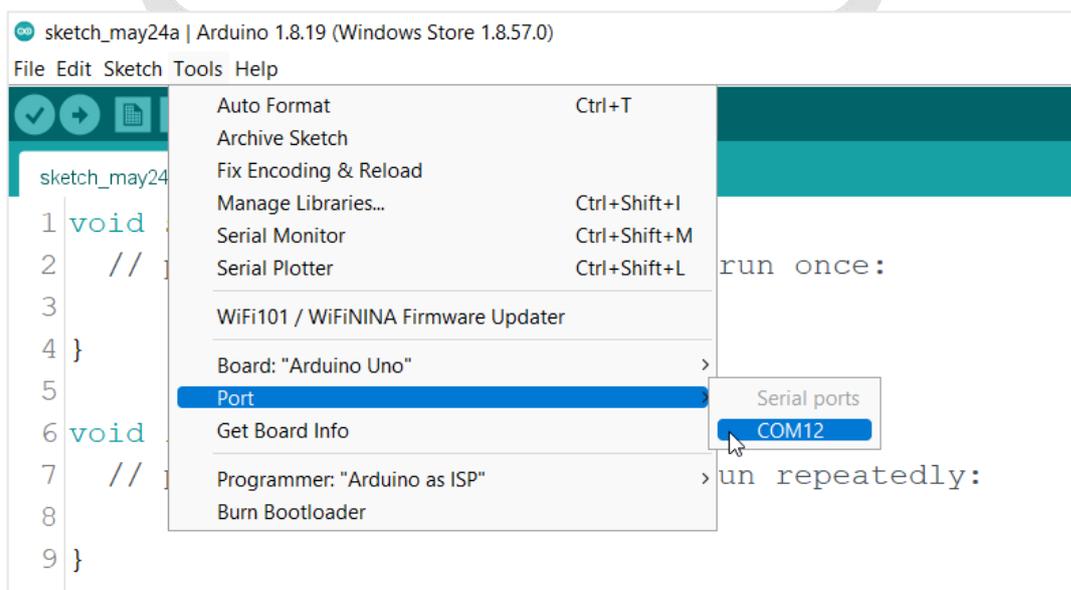
After installing Arduino IDE, connect ADIY UNO board to the PC/Laptop through USB cable.



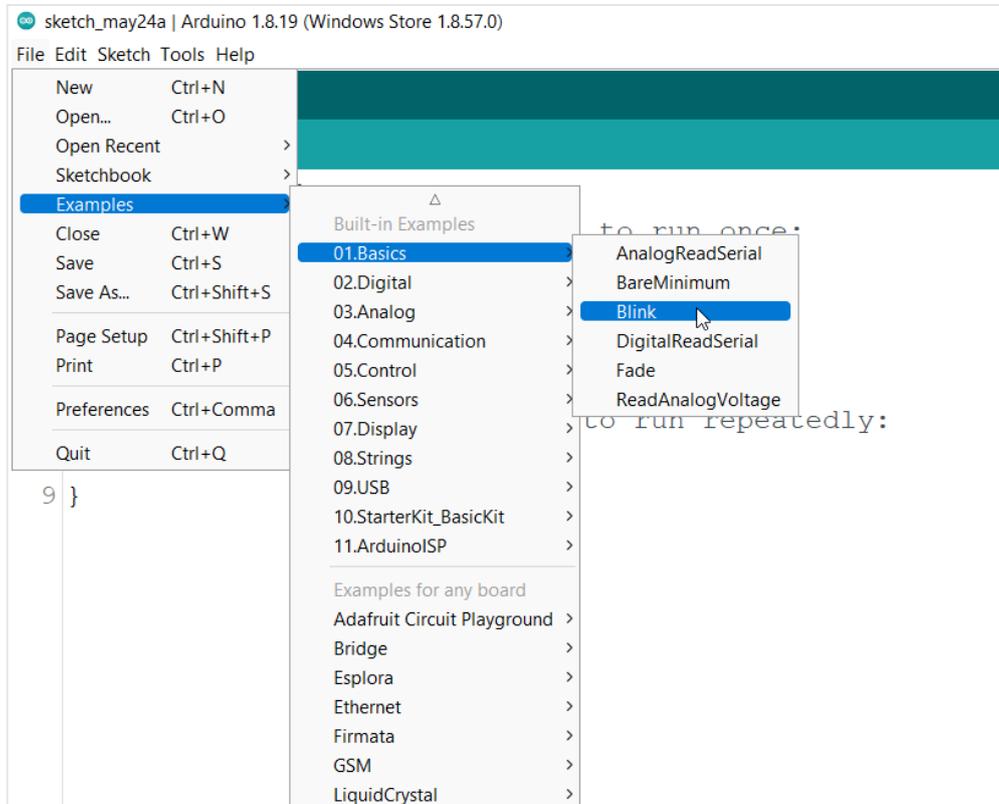
Open Arduino IDE software. Go to Tools menu from the Menu bar. Select "Arduino Uno" from Board window.



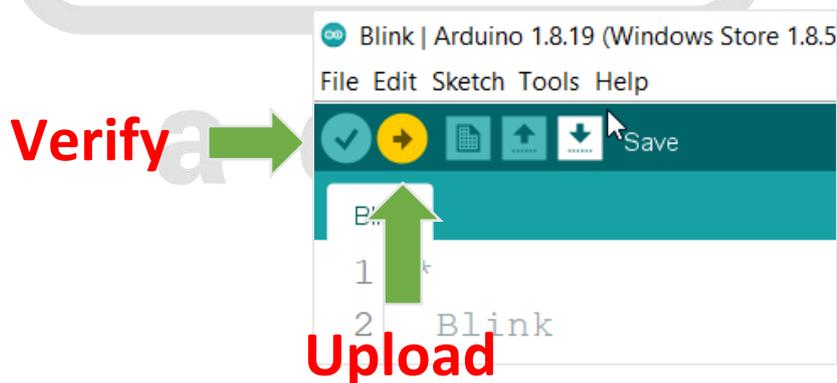
After selecting a board, go to Tools for Port selection. Select the assigned COM port. You can go to device manager to check and verify the assigned port.



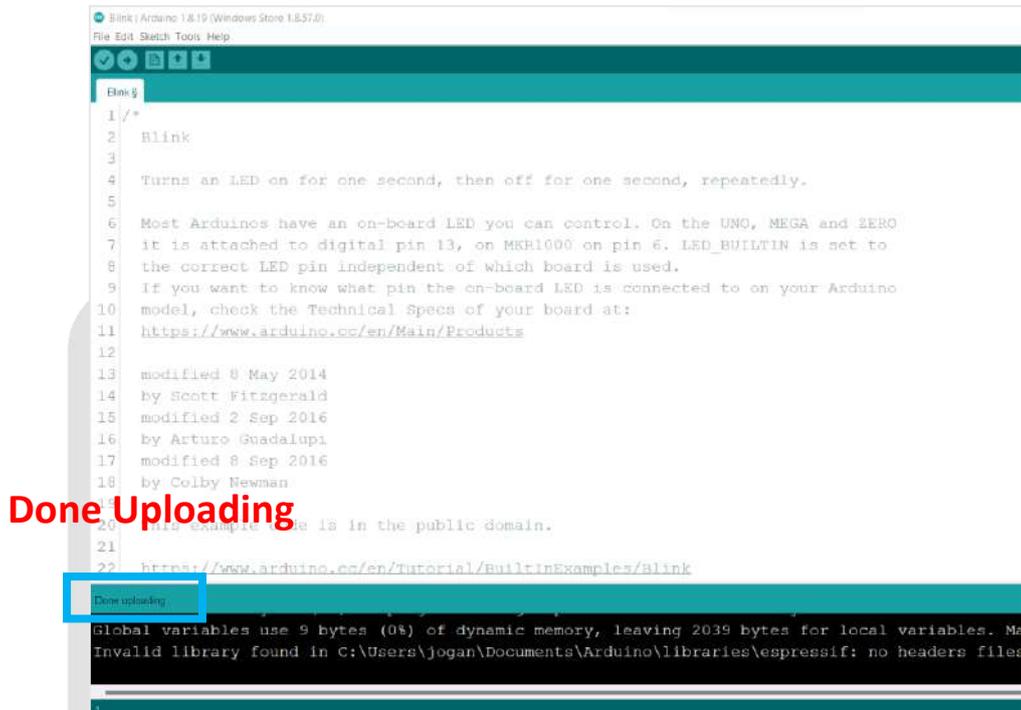
For testing your board functioning, run an existing example code. You can find example codes in File tab. Select basic code of LED blink.



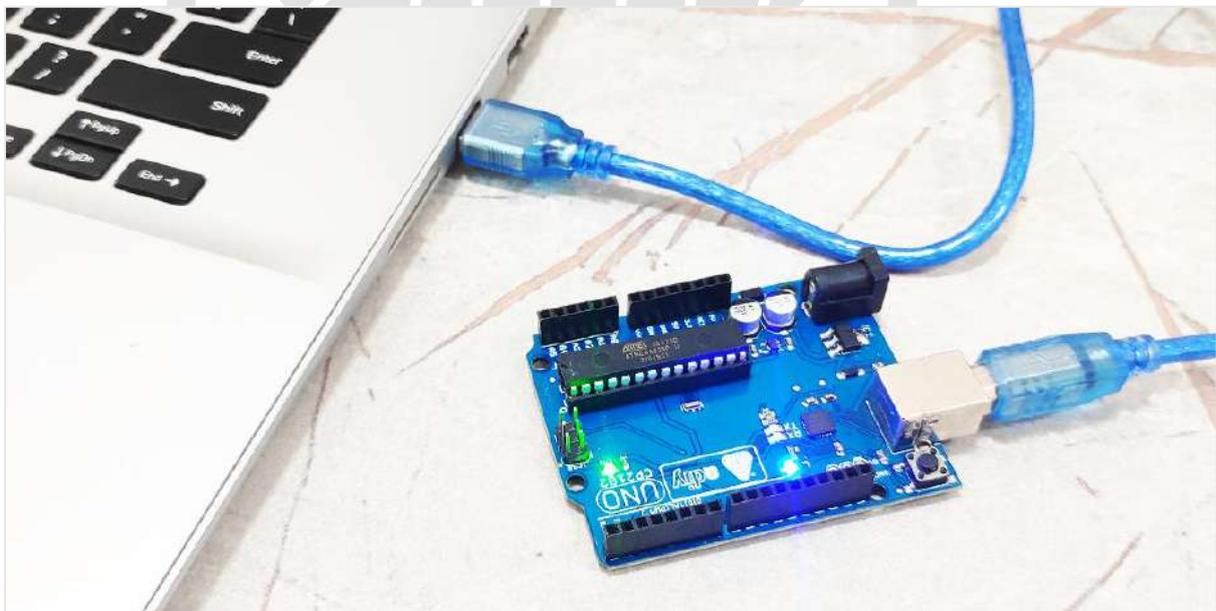
Verify the code to check if there are any errors. After verifying the code, **upload** (in the top-left corner of the IDE) the program into the board.



While the code uploads, you should see the LED's next to Tx and Rx blinking indicating data transfer between the board and the computer. You should be able to see that code has uploaded and compiled successfully without any error.



As a result, LED on the ADIY UNO board blinks with specified delay.



You have successfully uploaded your first sketch into the ADIY UNO!
Happy Programming!