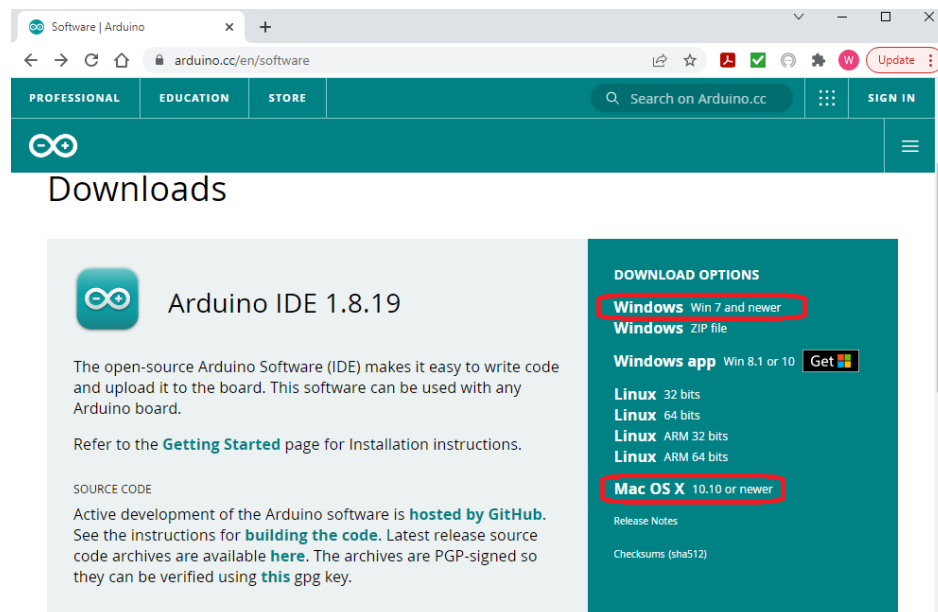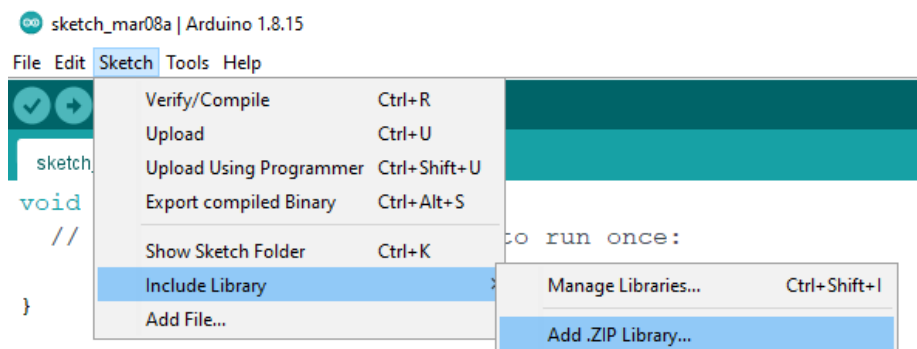# Instructions for Installing Arduino IDE, mBot Library & Driver

1. The Arduino Integrated Development Environment (IDE) is the key software used for programming the mBot. To download it, go to https://www.arduino.cc/en/software. Scroll down to "**Legacy IDE (1.8.X)**", choose Arduino IDE 1.8.19. You can also download the latest version (2.x.x), just that the interface will be slightly different.
   - For Windows operating systems, you may choose "Windows – Win 7 and newer".
   - For Mac OS X, you may choose "Mac OS X – 10.10 or newer".

2. After downloading the Arduino IDE's installation file, install it into your computer.

3. Next, we will download mBot's library. Click on the following link:
   https://codeload.github.com/Makeblock-official/Makeblock-Libraries/zip/master
   (Take note of where you'd saved the file. There is **no need to unzip** this file.)

4. We will now add mBot's library into your Arduino IDE.
   - In the Arduino IDE, choose from the menu: "Sketch" -> "Include Library" -> "Add .ZIP Library", then select the .zip file you'd downloaded in Step 3.

5. Now, we need to install the USB driver for the mBot.
   - For Windows operating system, download the driver from
     http://www.wch-ic.com/downloads/CH341SER_ZIP.html

   CH341SER.ZIP

The scope of application	version	upload time	size
CH340G, CH340T, CH340C, CH340E, CH340B, CH341A, CH341T, CH341B, CH341C, CH341U	3.5	2019-03-05	179KB

   CH340/CH341 USB to serial port Windows driver, includes DLL dynamic library and non-standard baud rate settings and other instructions. Supports 32/64-bit Windows 10/8.1/8/7/VISTA/XP, Server 2016/2012/2008/2003, 2000/ME/98, Microsoft WHQL Certified, supports USB to 3 and 9 wire serial ports.

   ⊕ download

   - Unzip the ".zip" file.
   - To install the driver, run the "SETUP.EXE" file inside the newly created folder.
   - For Mac OS X, download the driver from
     http://www.wch-ic.com/downloads/CH341SER_MAC_ZIP.html

   CH341SER_MAC.ZIP

The scope of application	version	upload time	size
CH340G, CH340T, CH340C, CH340E, CH340B, CH341A, CH341T, CH341B, CH341C, CH341U	1.5	2018-07-05	148KB

   CH340/CH341 USB to serial port MAC OS driver, supports 32/64-bit operation system, contains instructions for use.

   ⊕ download

   - Unzip the ".zip" file.
   - Follow the instructions given in "ReadMe.pdf".