3.4 Add additional library files

Q: When we compile the program of the Omniduino car, it may report an error due to the lack of some library files.

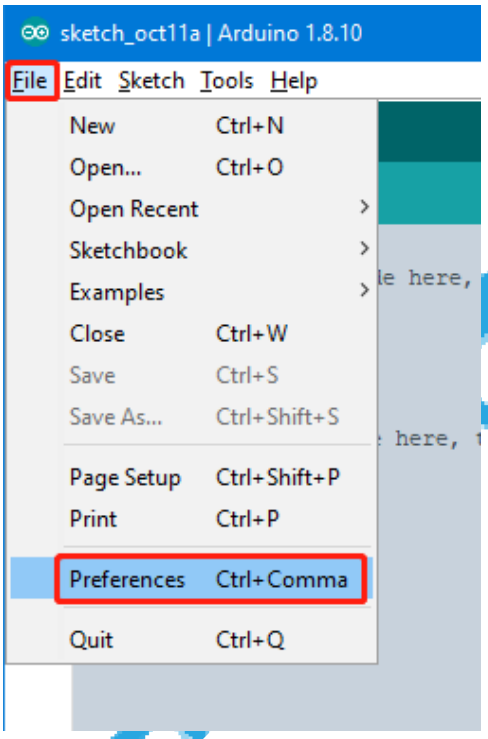
A: The solution is as follows:

Method 1:

It is recommended to use version arduino IDE 1.8.10.

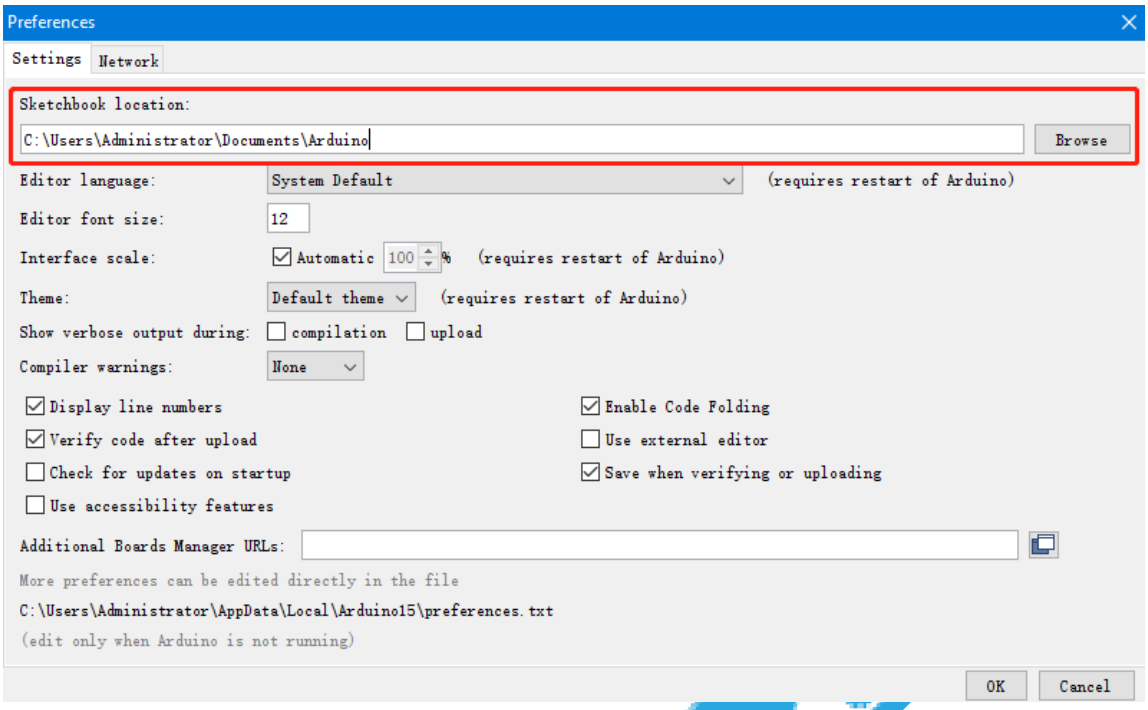
1. Import additional library files

1.1 click 【File】-->【Preferences】

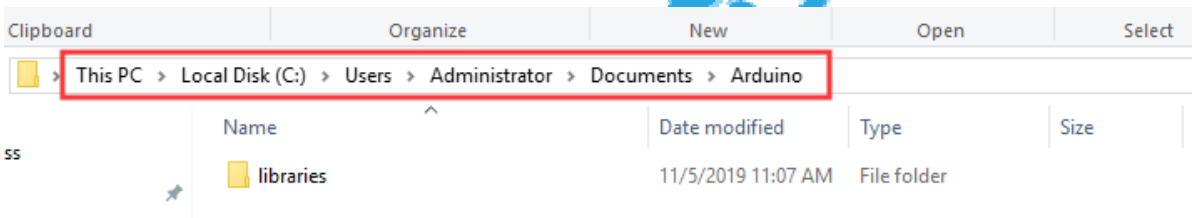


1.2 The【**Sketchbook location**】path is used to save other files such as additional libraries downloaded by arduino IDE. Our own libraries can also be placed in this path. When compiled by arduinoIDE, the library files will be searched in this directory.

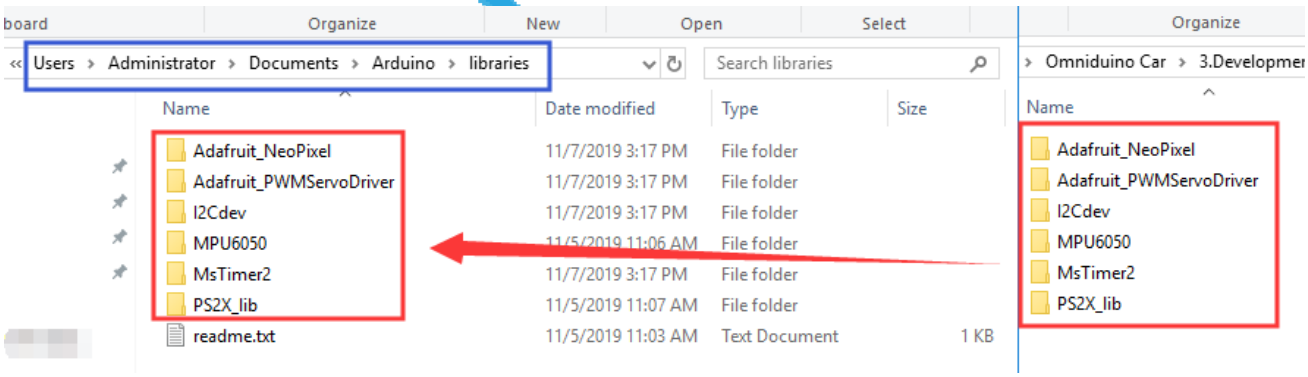
(!Note: Just for example, please check your own actual path.)



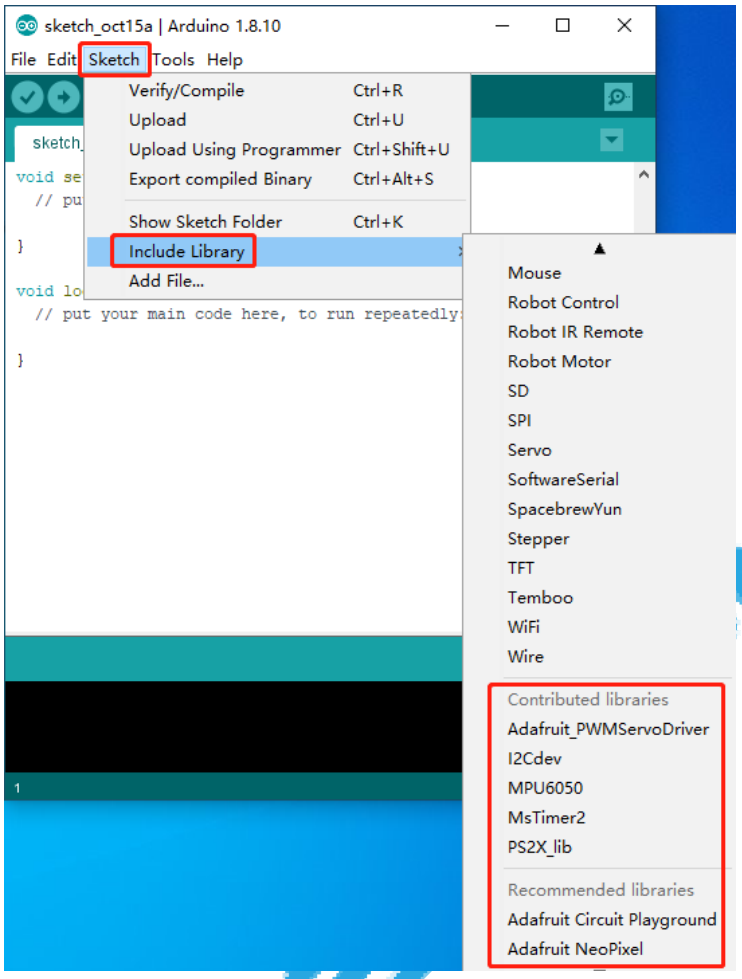
1.3 Open this path, **C:\Users\Administrator\Documents\Arduino**
We can see a libraries folder, and we need to add library files into this folder.



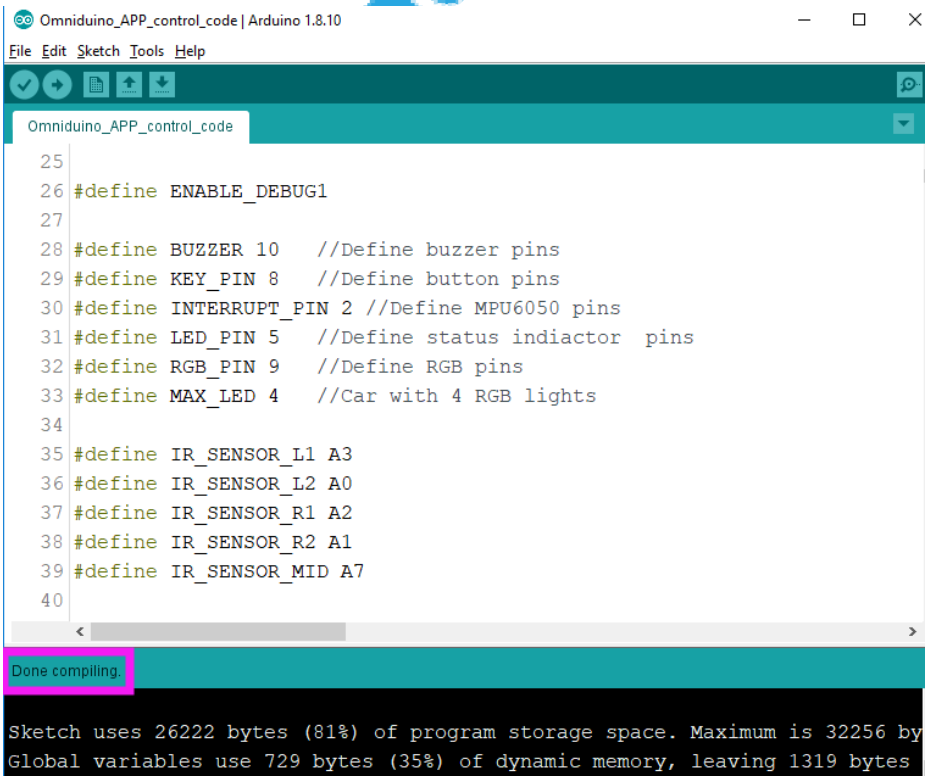
1.4 Copy all the files inside into the **C:\Users\Administrator\Documents\Arduino\libraries**.



1.5 Restsrt arduino IDE software and refresh, then, open【Sketch】--->【Include Library】, Swipe down, we can see that we have added the library file , and you can click on it to add it.



1.6 When we compile the program again, we can successfully compile it.

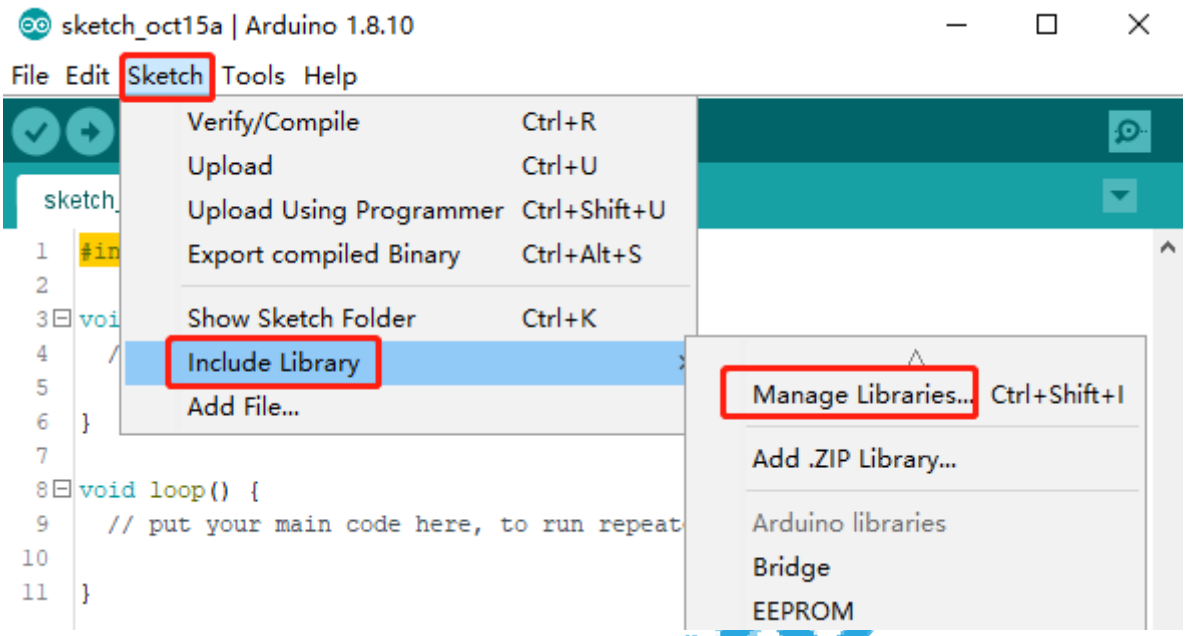


Method 2:

arduino IDE has integrated a third-party library downloader for us to search and download.

2.1 Open【Sketch】-->【Include Library】-->【Manage Libraries】

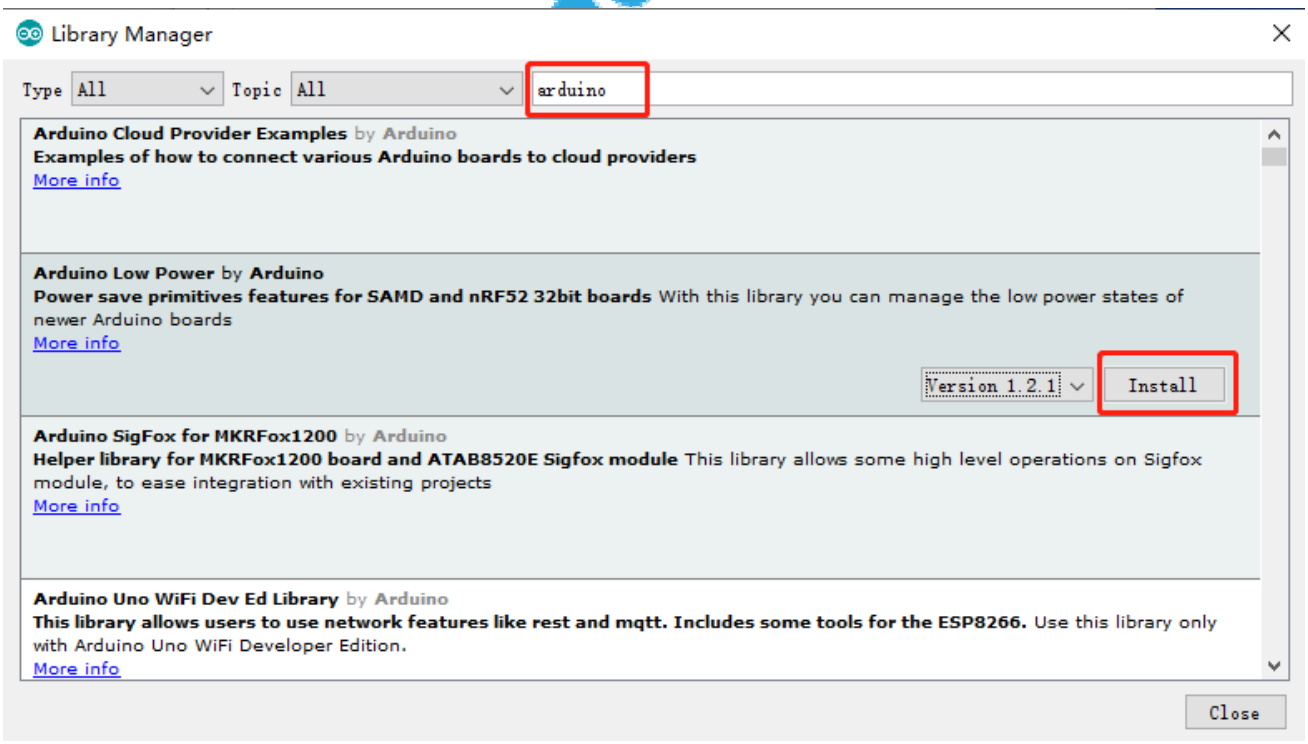
The shortcut is: **Ctrl+Shift+I**



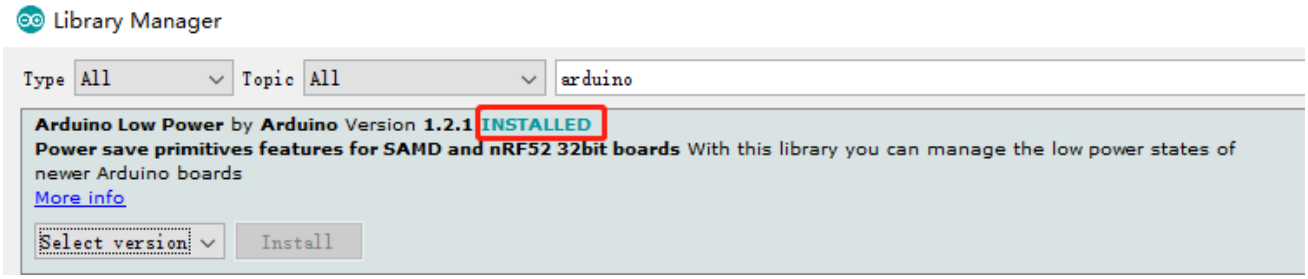
2.2 We can see the Library Manager interface, input the name of the library you want to find in the search box, it will automatically search and display the results.

(Eg: download the Arduino Low Power library)

Input the “arduino” in the input box, move the mouse to the Arduino Low Power line, select the version number need downloaded, and click the “Install” button to start the download.



2.3 An **“INSTALLED”** logo will appear when the download is complete.



2.4 We can see **“Arduino Low Power”** by opening Sketch->Include Library.