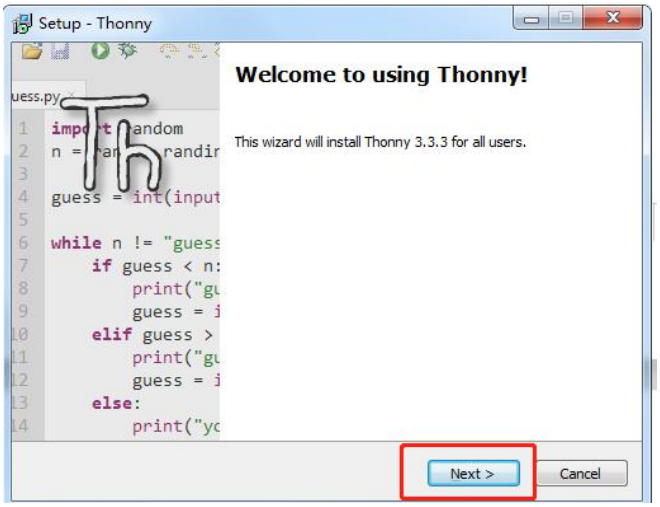
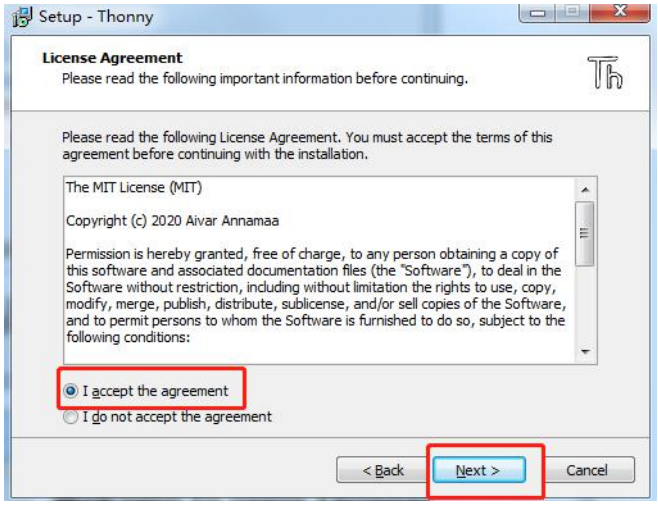
1. Install Thonny software

1.1 Install MicroPython programming software. Download and install Thonny IDE software. Thonny IDE official website: https://thonny.org/

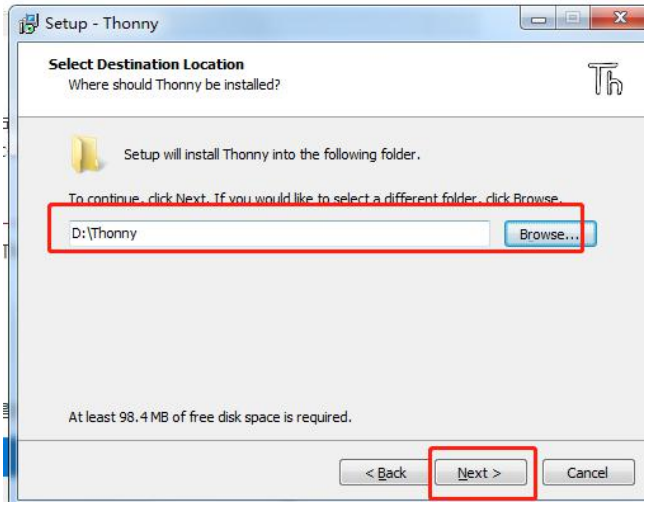
1.2 Enter the tutorial URL on the homepage of the manual, click **[Download]**---**[Thonny IDE]** to download the software we provided, and we will get an .exe file, as shown below.

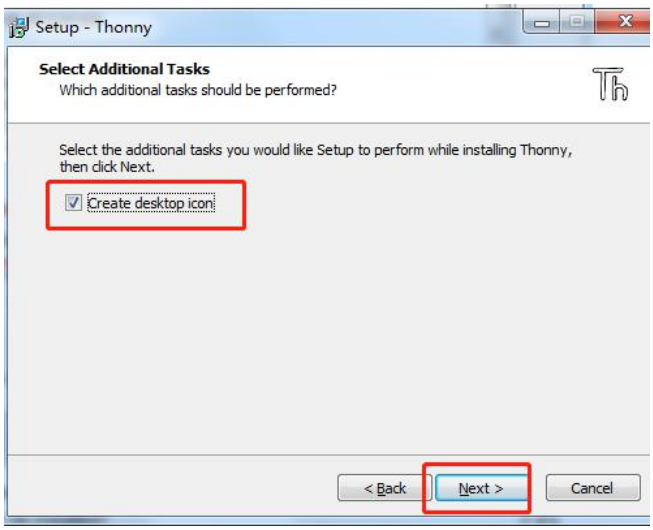
1.3 Double-click the .exe file to install it, as shown below.





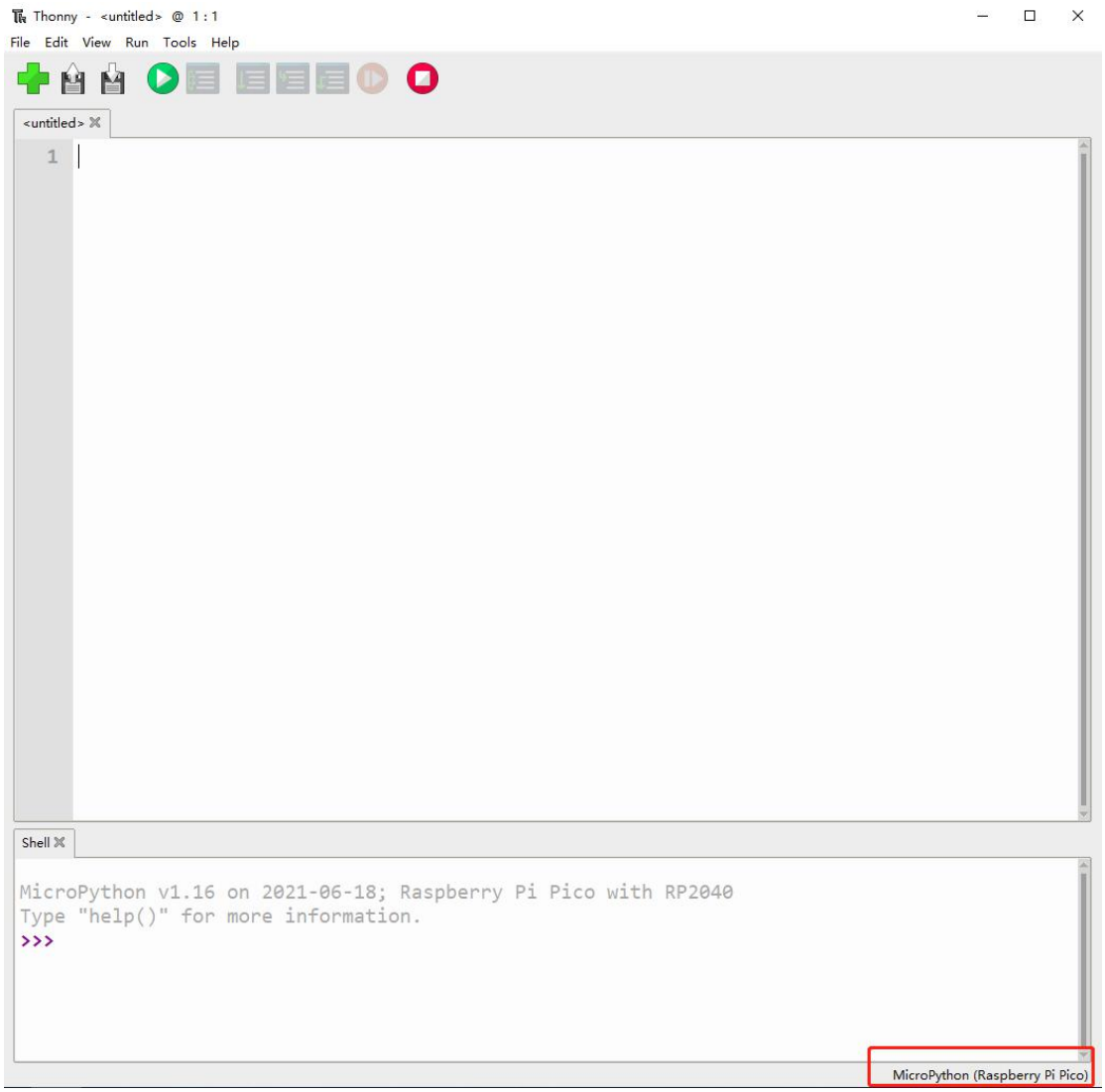
1.4 Select the installation path and choose to create a desktop shortcut.

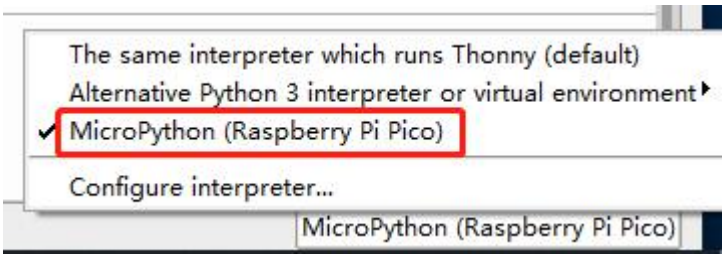




1.5 After the installation is complete, click “Finish”.

1.6 Double-click the shortcut to open Thonny IDE. Click to select MicroPython (Raspberry Pi Pico) in the lower right corner.
(If this option is not available, please reconnect the Pico board and check whether the MicroPython firmware is written into the Pico board)





2. Software configuration

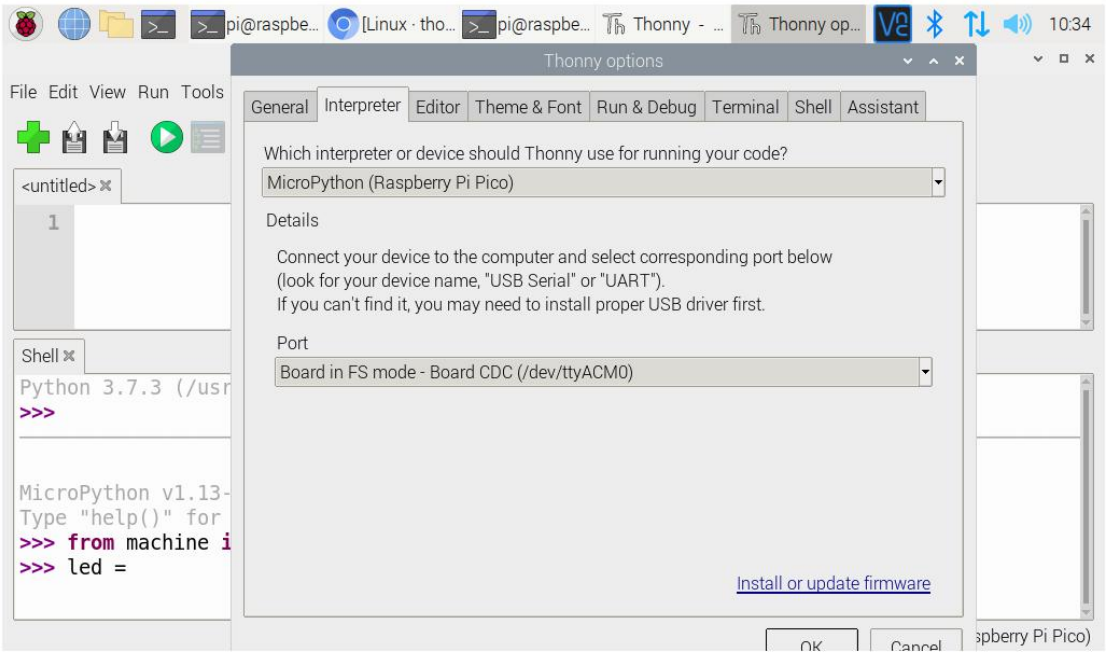
In generally, the Raspberry Pi system comes with Thonny IDE.

If Thonny is not updated to the latest version, there is no Pico support package, so we need to update Thonny to the latest version.

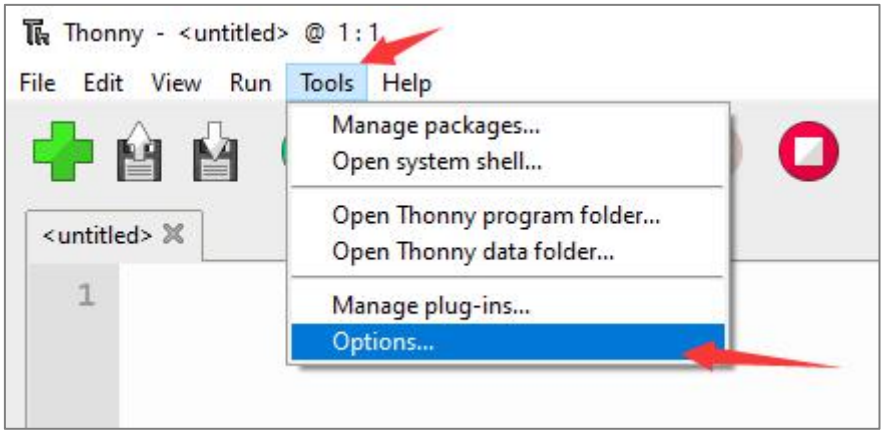
2.1 Open the command terminal and enter the following command to update thonny

sudo apt upgrade thonny

2.2 Opem Thonny IDE. Click [Raspebrry Pi logo] --> [Programming[--> [Thonny Python IDE]. Choose [Tools] --> [Options]- -> [Interpreter], and choose MicroPython(Raspberry Pi Pico and ttyACM0 port.



Connect the Pico that has been written into the firmware to the computer. Choose [Tools] --> [Options] --> [Interpreter]-->Raspberry Pi Pico-->chosse port(/dev/ttyACM0)




<untitled>
1
Shell
Python 3.7.9 (bundled)
>>>
MicroPython v1.13-290-g556ae7914 on 2021-01-21; Raspberry Pi Pico with RP2040
Type "help()" for more information.
>>>
MicroPython (Raspberry Pi Pico)