Python IDE Thonny Installation and Usage Tutorial

1. Enter Thonny's official website: https://thonny.org/;
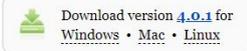
2. Click , enter the download page;
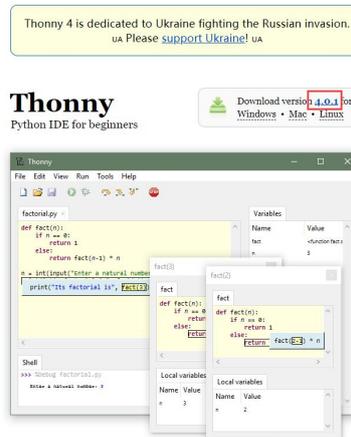
3. Drop down the page and select the corresponding system version to download the installation package;

4. Open the installation package, select the installation path, and install Thonny software;
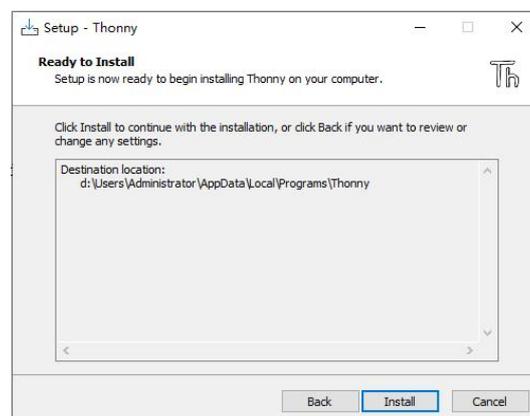

5. Open Thonny;
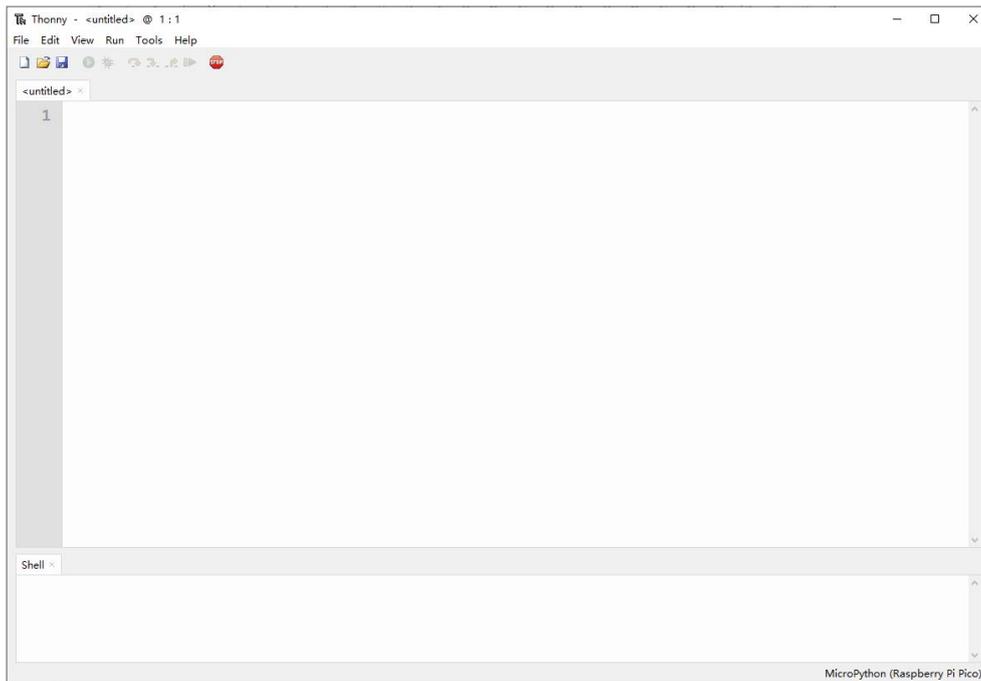
6. Connect the CrowBot-BOLT with the computer via the USB cable;
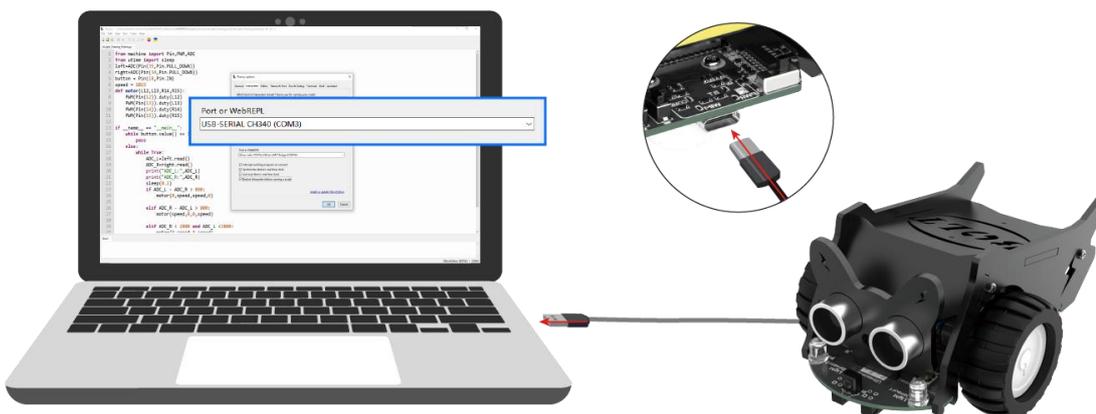
7. Click "Tools">>"Settings" above the menu bar, the "Thonny options" window will pop up;
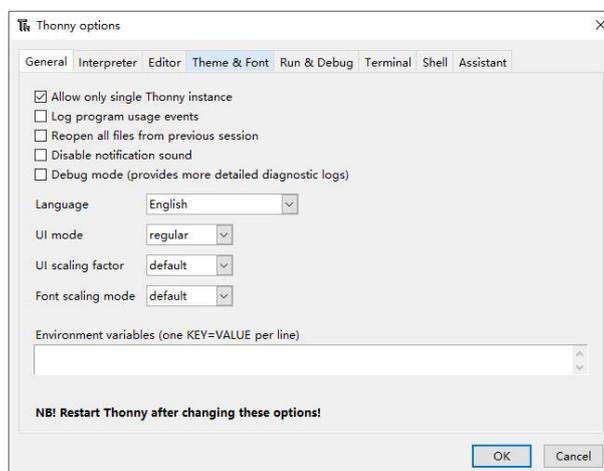

8. Click "Interpreter", select "Micropython (ESP32)" in the pull-down menu;
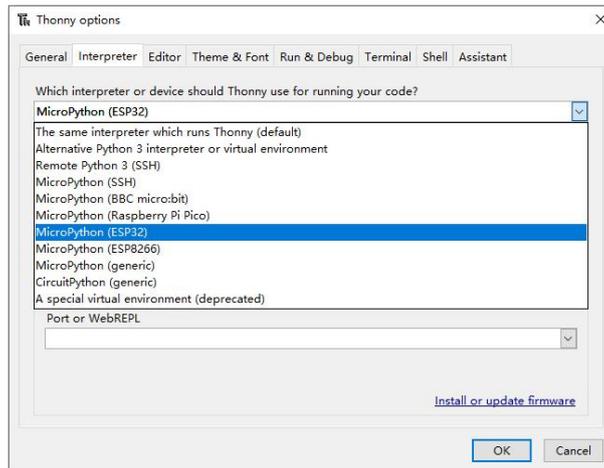
9. Select the corresponding COM port at "Port or WebREPL" pull-down menu;
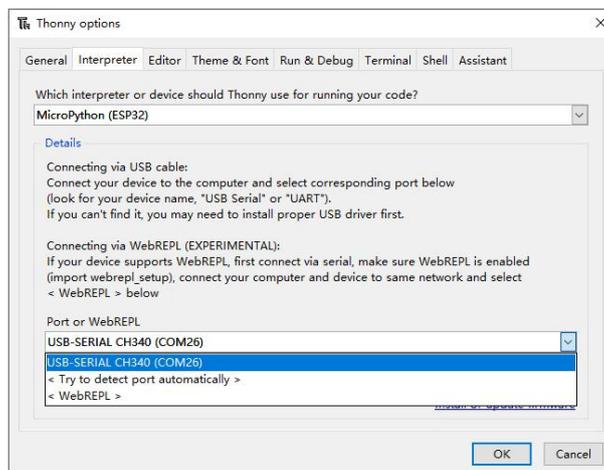
10. Click "Install or update firmware", "ESP32 firmware installer" window will pop up;
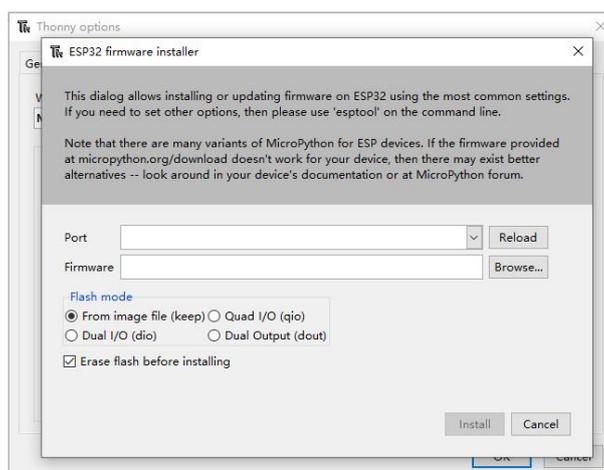
11. Select the corresponding COM port, upload the ESP32 firmware **esp32-20220618-v1.19.1.bin** in the "firmware" folder, and click Install;
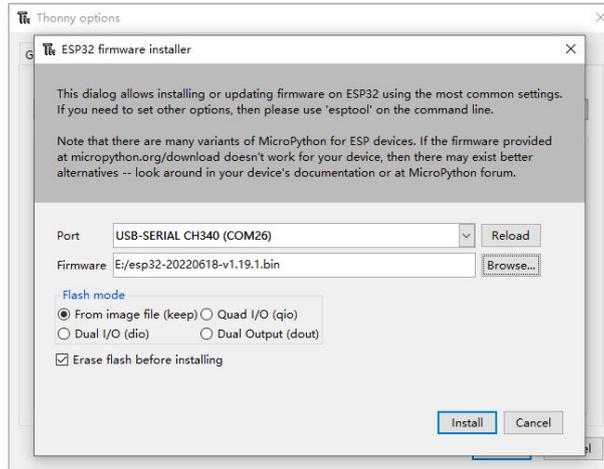
12. Click "View">>"Files" to display the Files menu on the left side of the programming area;
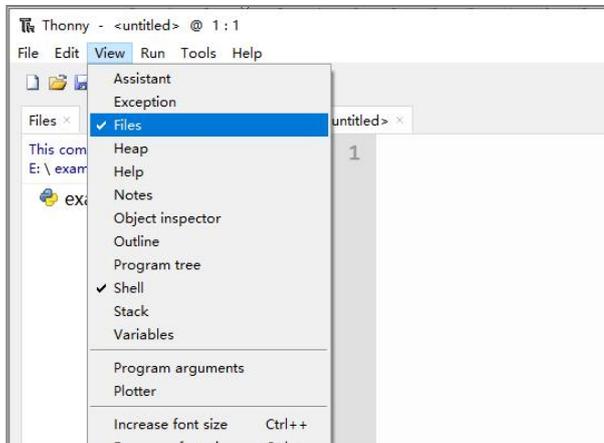
13. When the CrowBot-BOLT is connected to the computer for communication, the on-board program of the CrowBot-BOLT will be displayed in the Files menu;
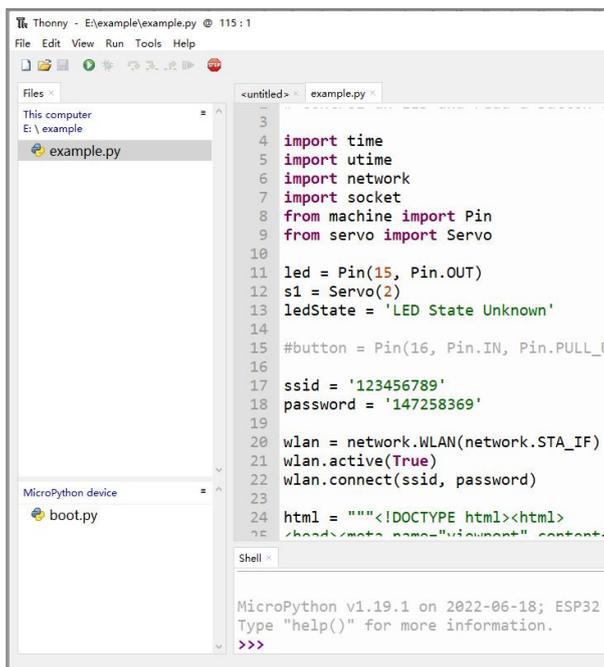
14. After editing the program, you can save the program to your computer. Click ▶ or press F5 to run the program; Click 🛑 or press Ctrl+F2 to stop the program

15. You can also save the program to "MicropPython device" and name it "main. py" (the suffix ". py" must be added). When the CrowBot-BOLT is powered on again, it will run automatically.