Environment option & FAQ of Gomer Python SDK-V2

Version：20190228

Catalog

Remark: Currently only Windows systems are supported.

1. Introduction

If you confirm to use PythonSDK-V2 of Gomer, You must:

- Install the Python interpreter, which is recommended to be 3.5.1 or later and 32-bit.
- Install Python IDE, it is recommended to use Pycharm, optional 32 or 64 - bit version.
- Connect computer WI-FI to Gomer.

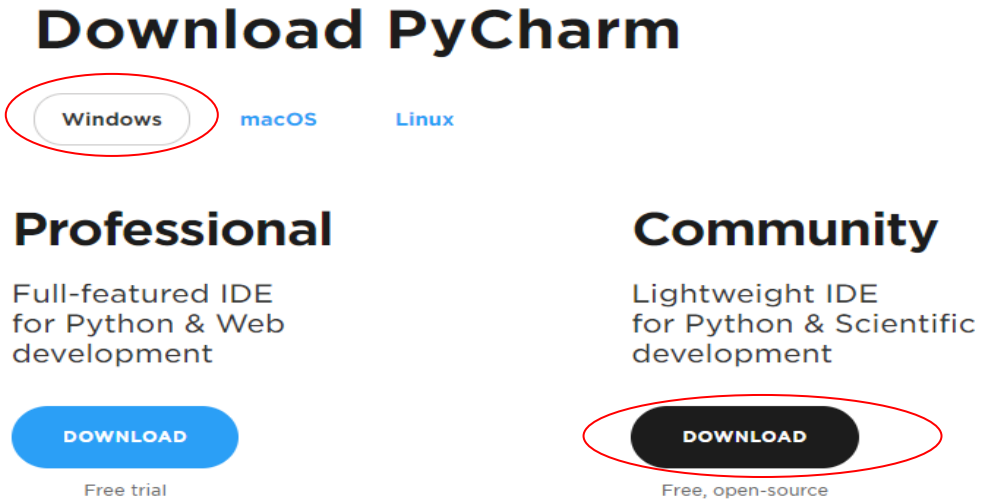
The diagram of connection

2. The Windows platform environment

2.1. Install Python IDE - Pycharm

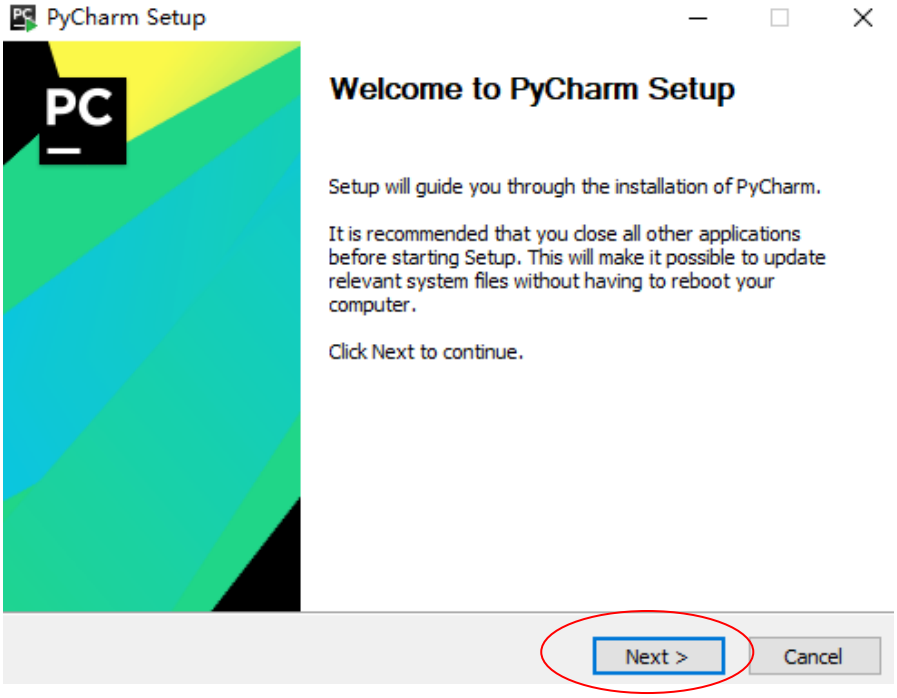
2.1.1. Download installation package from the website:
http://www.jetbrains.com/pycharm/download/#section=windows

2.1.2. Select Windows platform, choose Community version for free, click 'DOWNLOAD'.

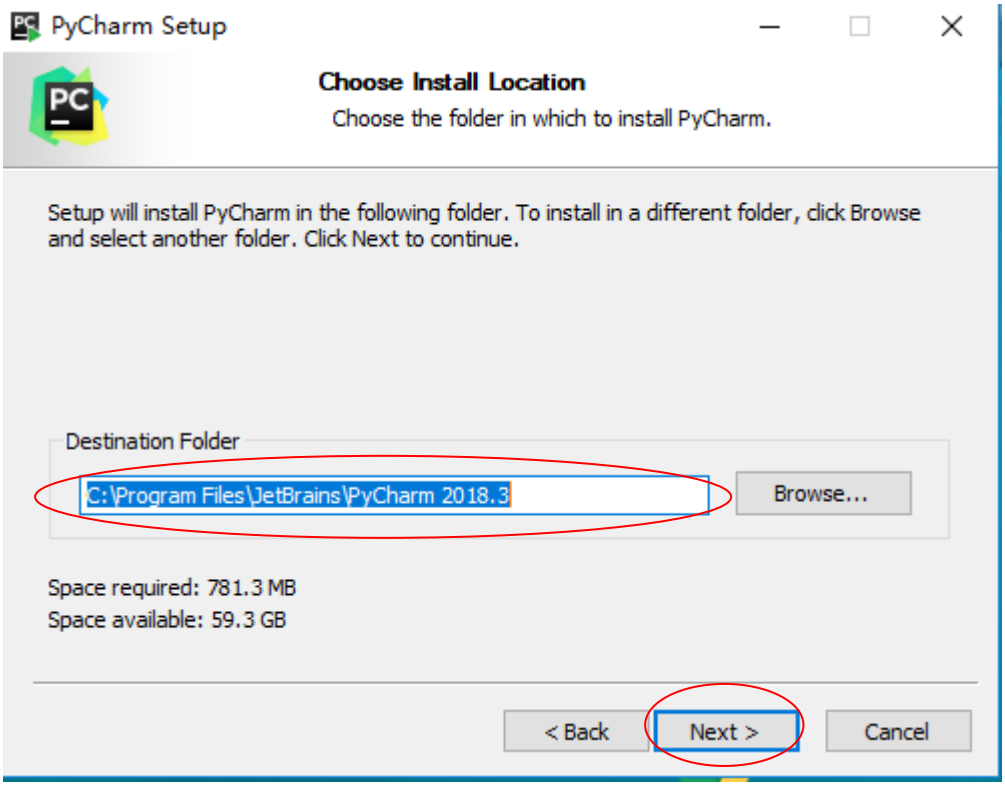


2.1.3. Find the installation package you just downloaded, run it, and enter the installation wizard,

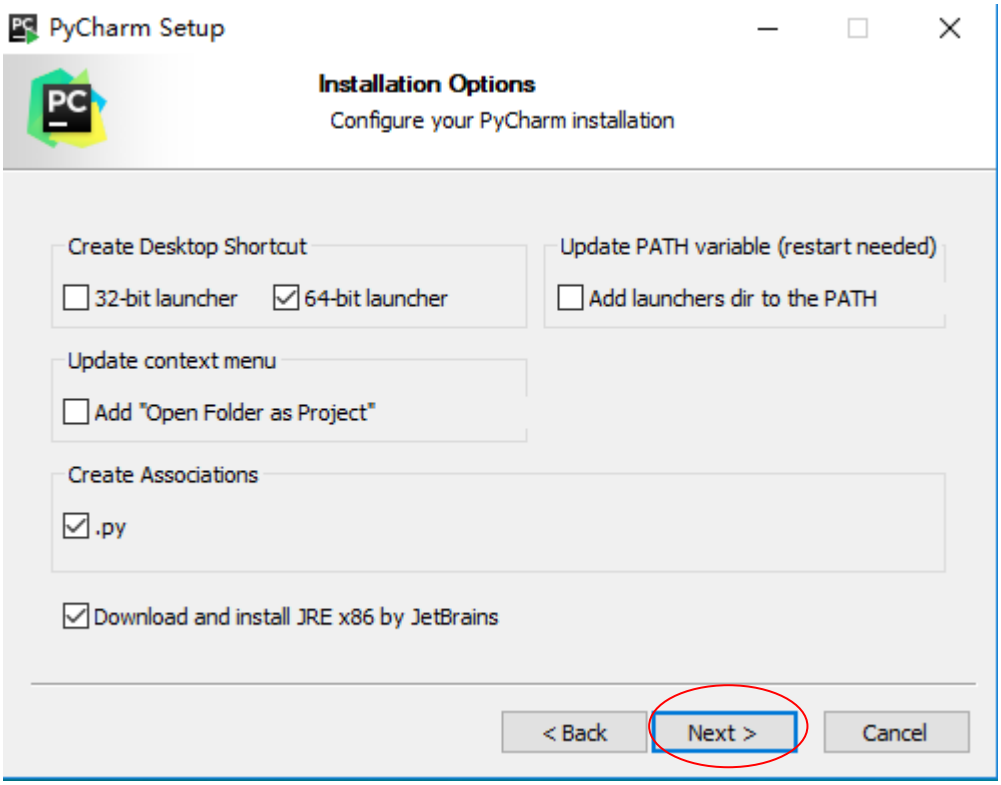
click 'Next'.



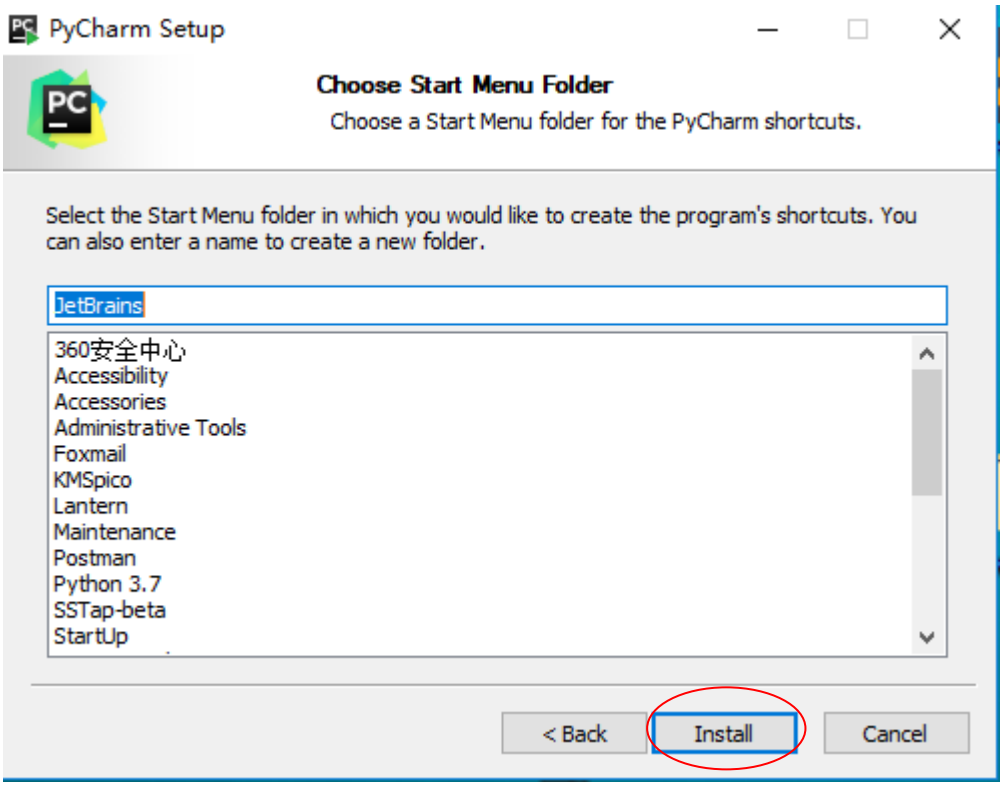
2.1.4. Choose the installation path, and click 'Next'.



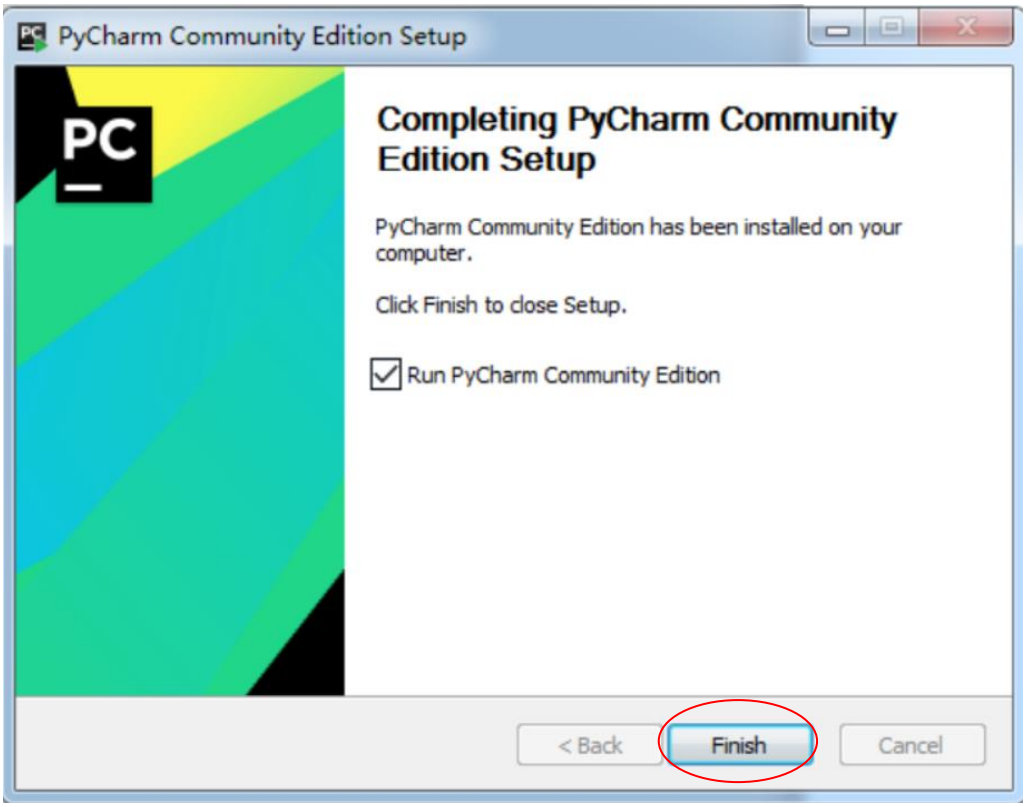
2.1.5. Choose the options you need, click 'Next'.



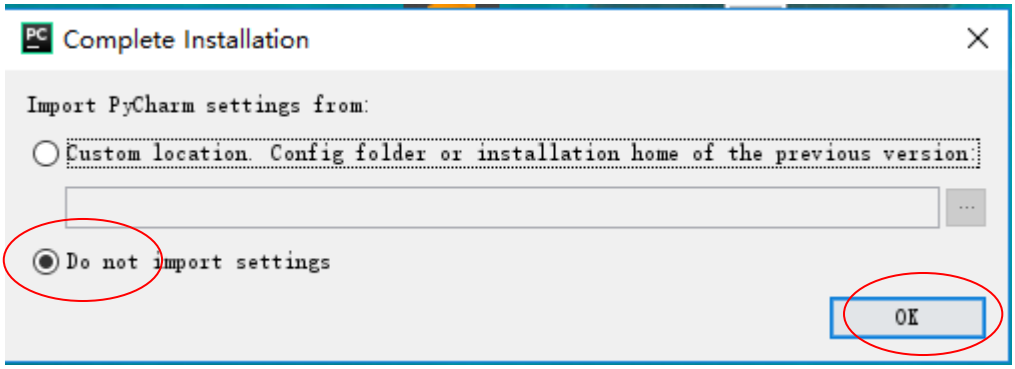
2.1.6. Click 'Install'



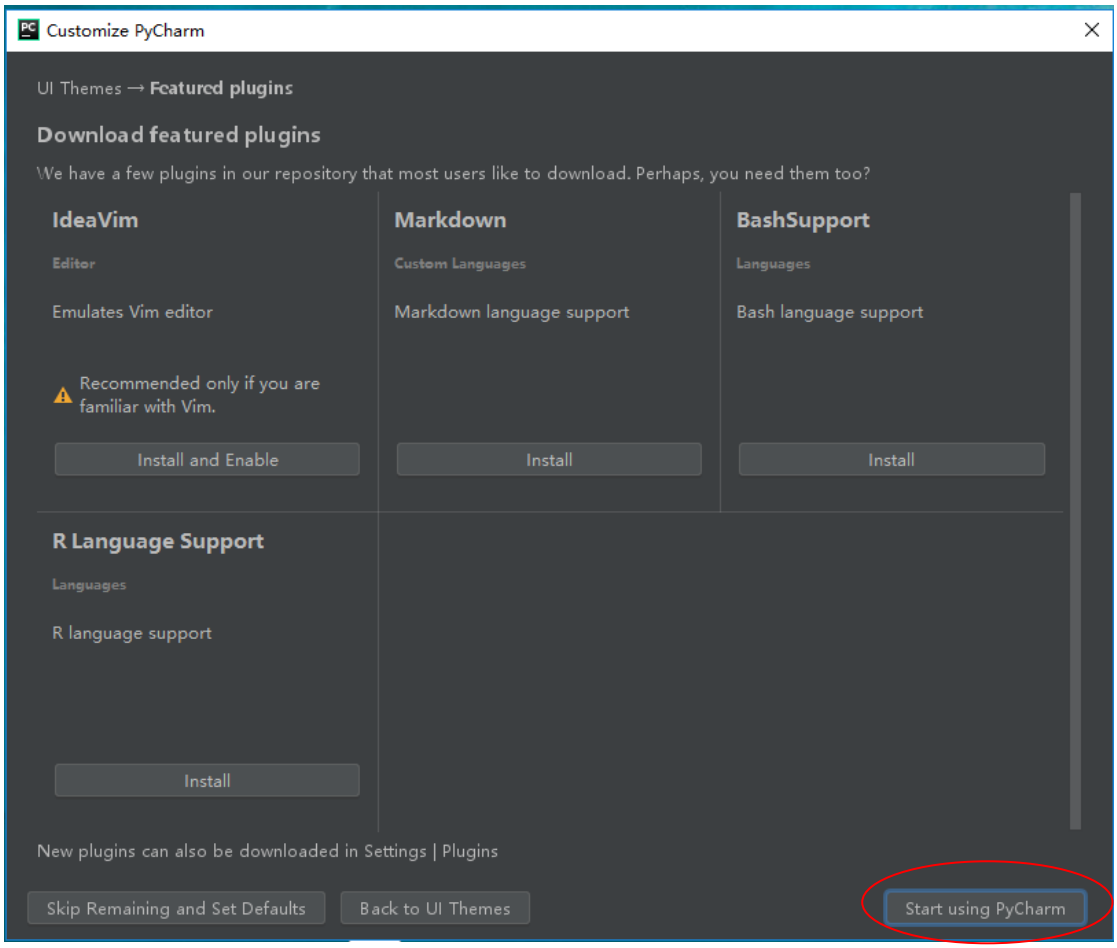
2.1.7. Click 'Finish', and complete the installation, then you can run Pycharm now.



2.1.8. Select 'Do not import settings', click ‘OK’.



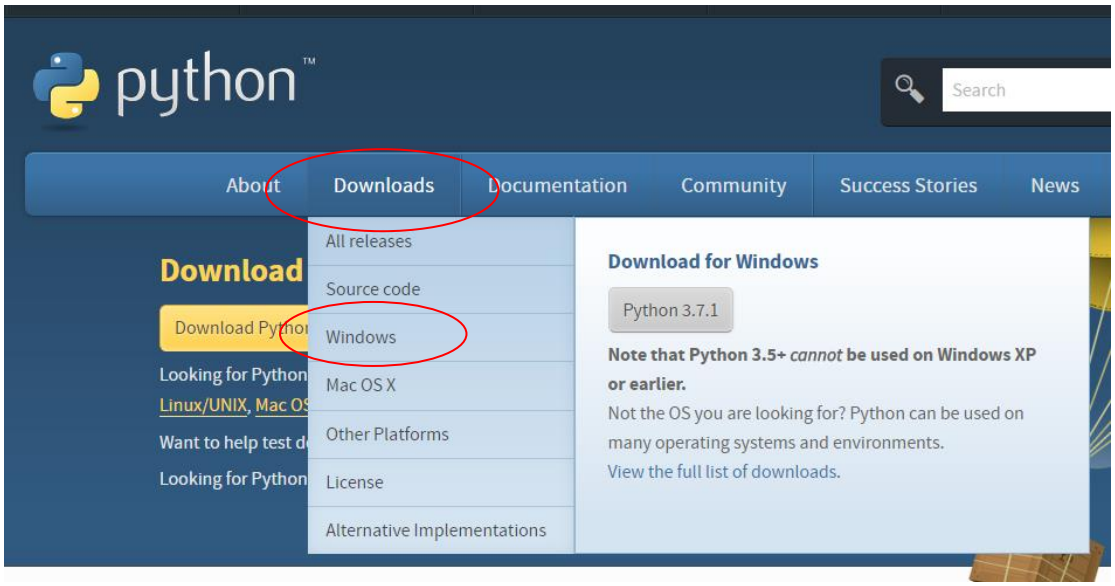
2.1.9. Select 'Start using Pycharm'.



2.2. Install Python Interpreter

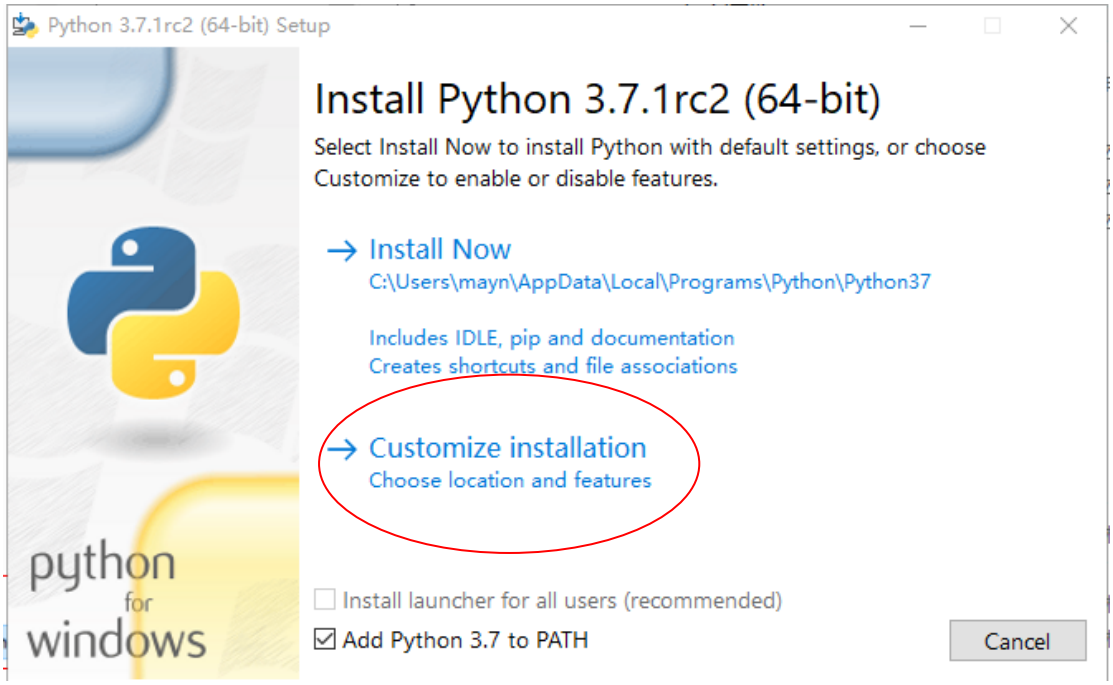
Python interpreter is the tool to run the python code. You can just use the installation package in the SDK, or download from the website:
https://www.python.org/downloads/

2.2.1. Go to the website, find the python for Windows.

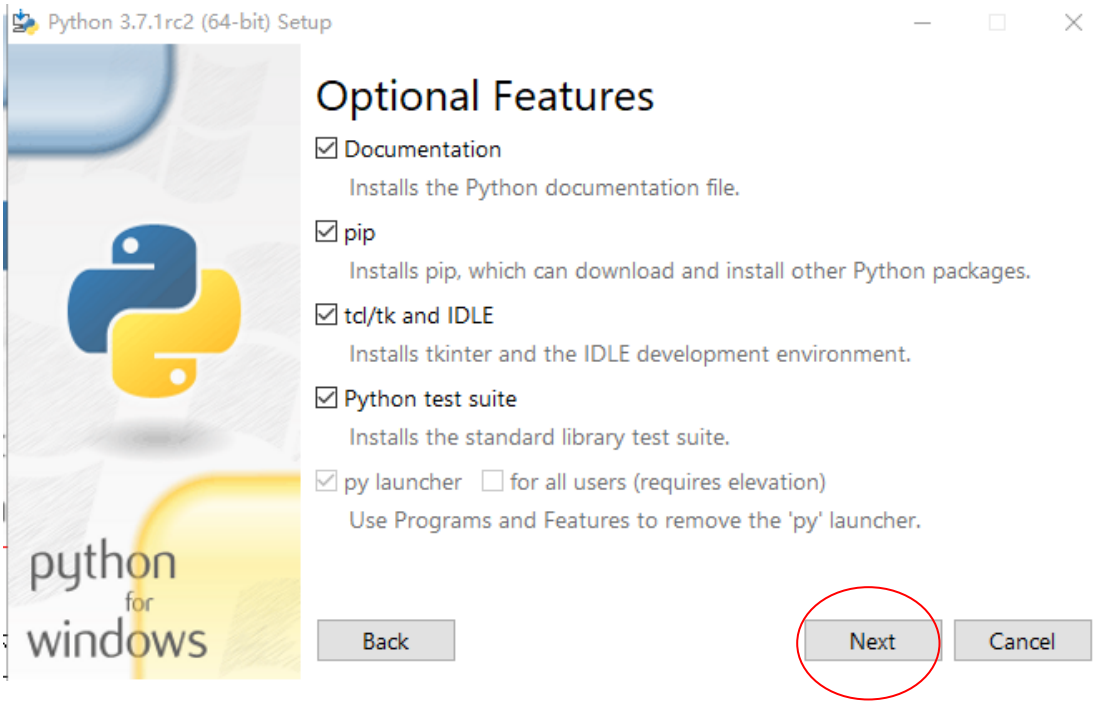


2.2.2. Choose any x86 version to download, suggest 'Windows x86 executable installer'.

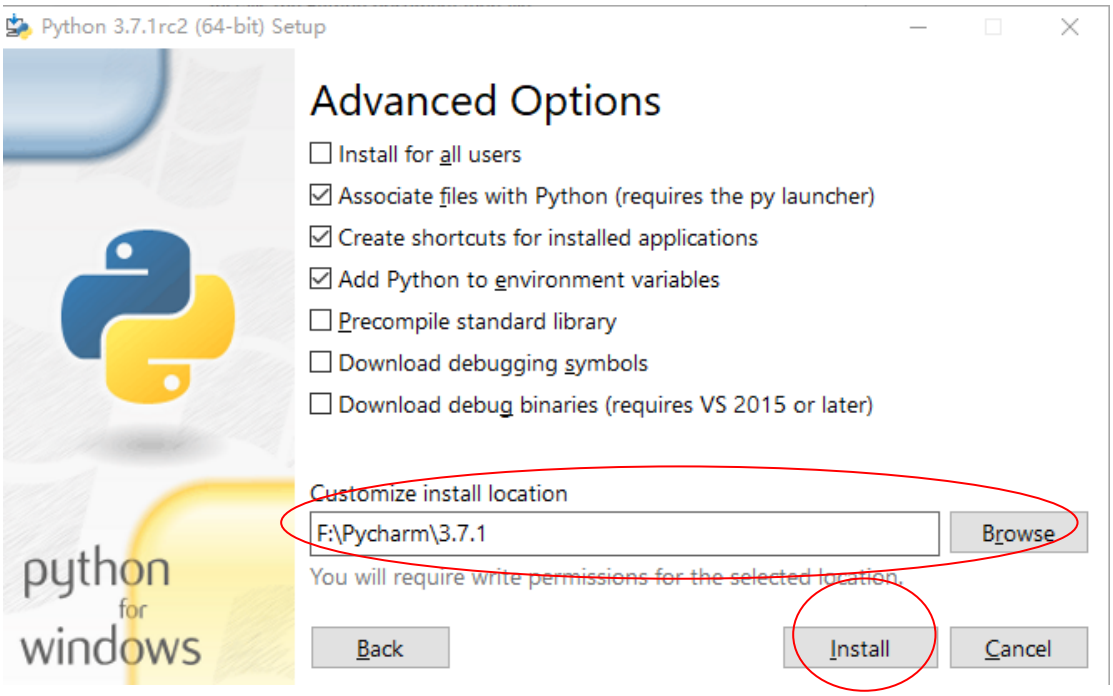
2.2.3. Run the installation package, enter the installation wizard, select the 'Customize installation' option.



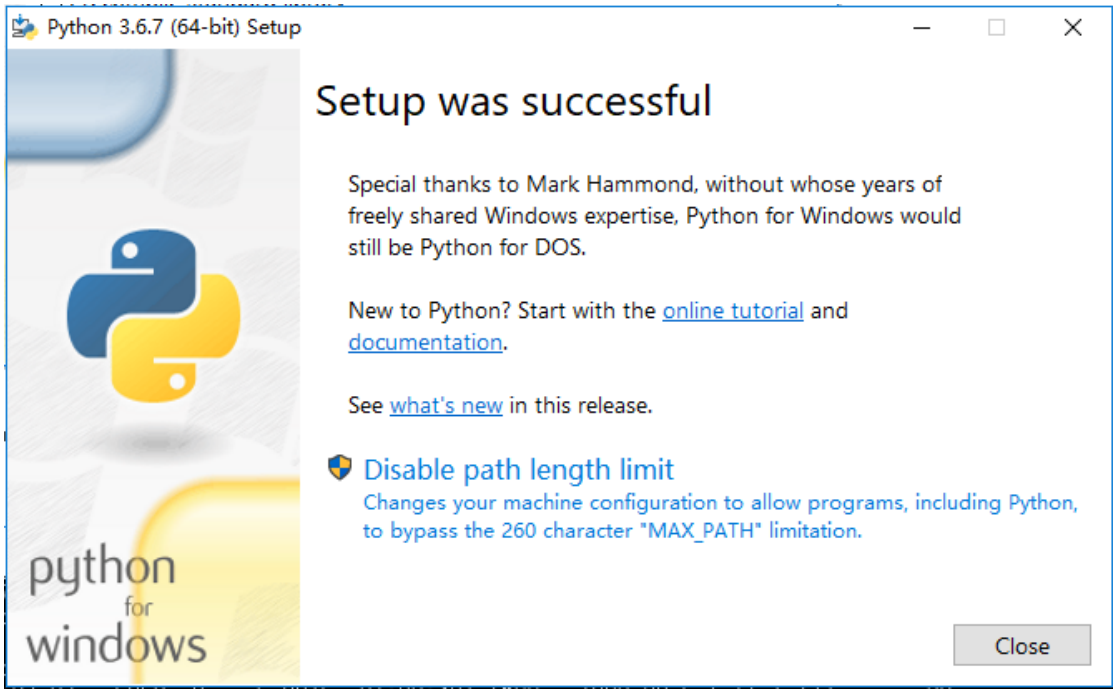
2.2.4. Click 'Next'.



2.2.5. Choose the installation path, and click 'Install'.



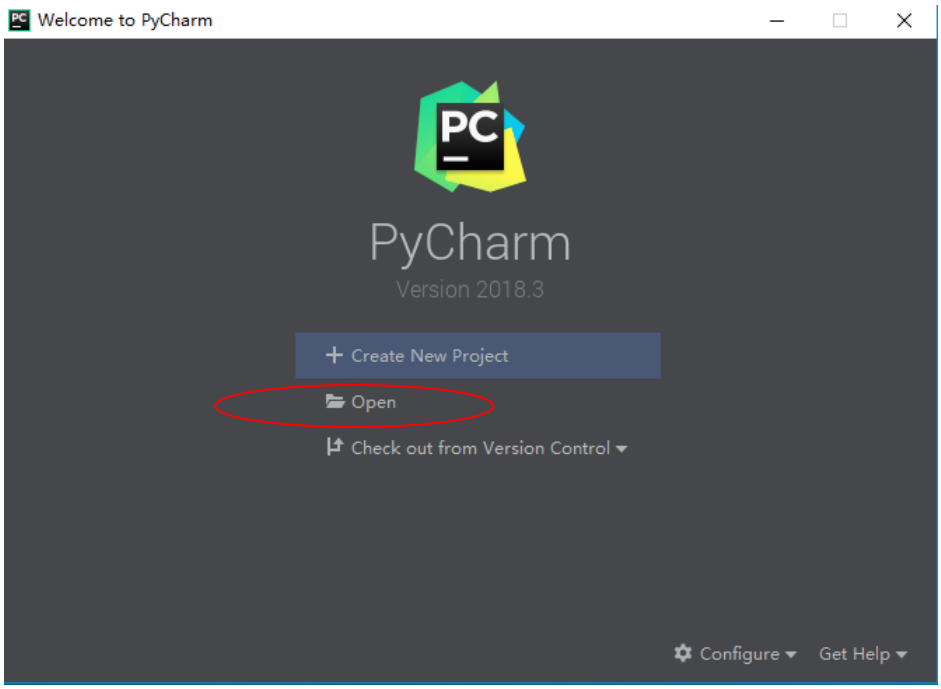
2.2.6. Complete the installation.



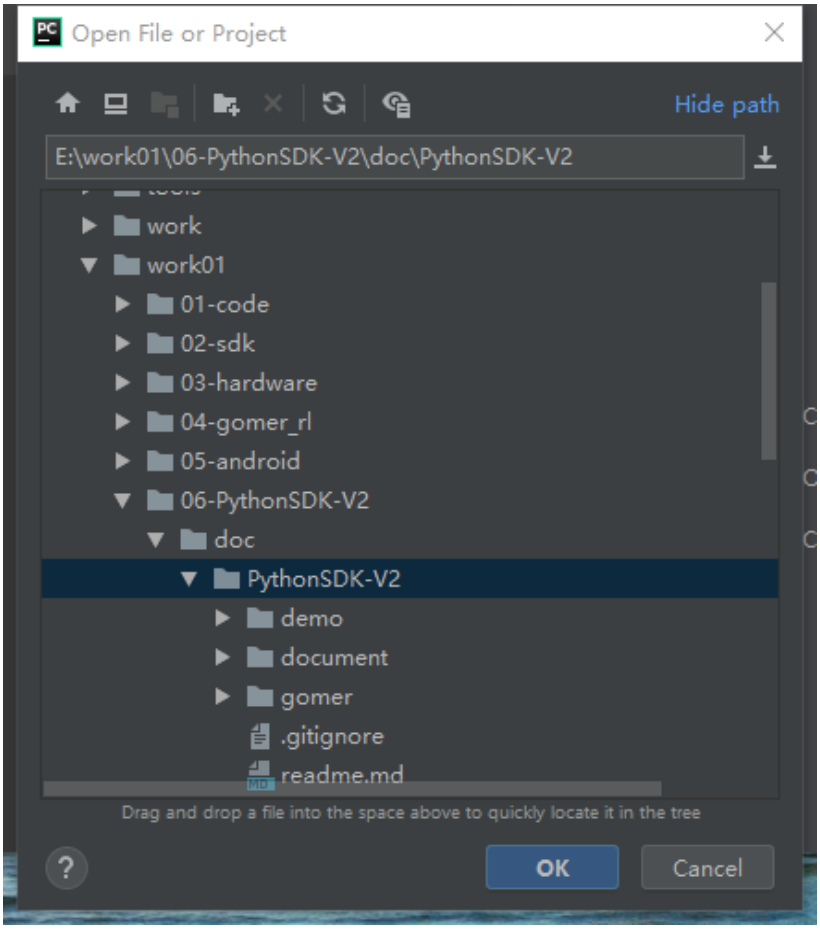
2.3. Download PythonSDK

2.3.1. Download the PythonSDK package from GLI website:
http://www.glitech.com/static/pc/en/support.html

2.3.2. Unpack the package, then open the directory from the Pycharm.

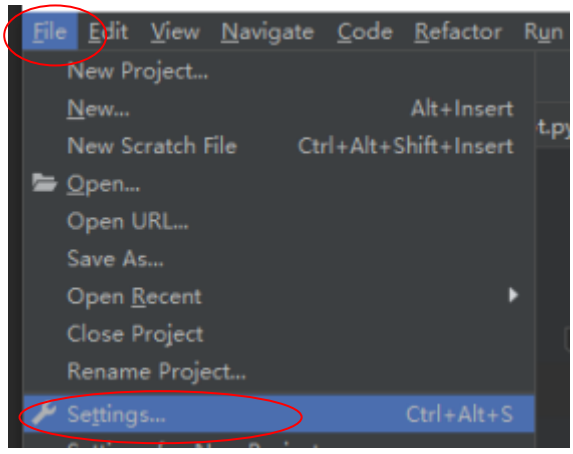


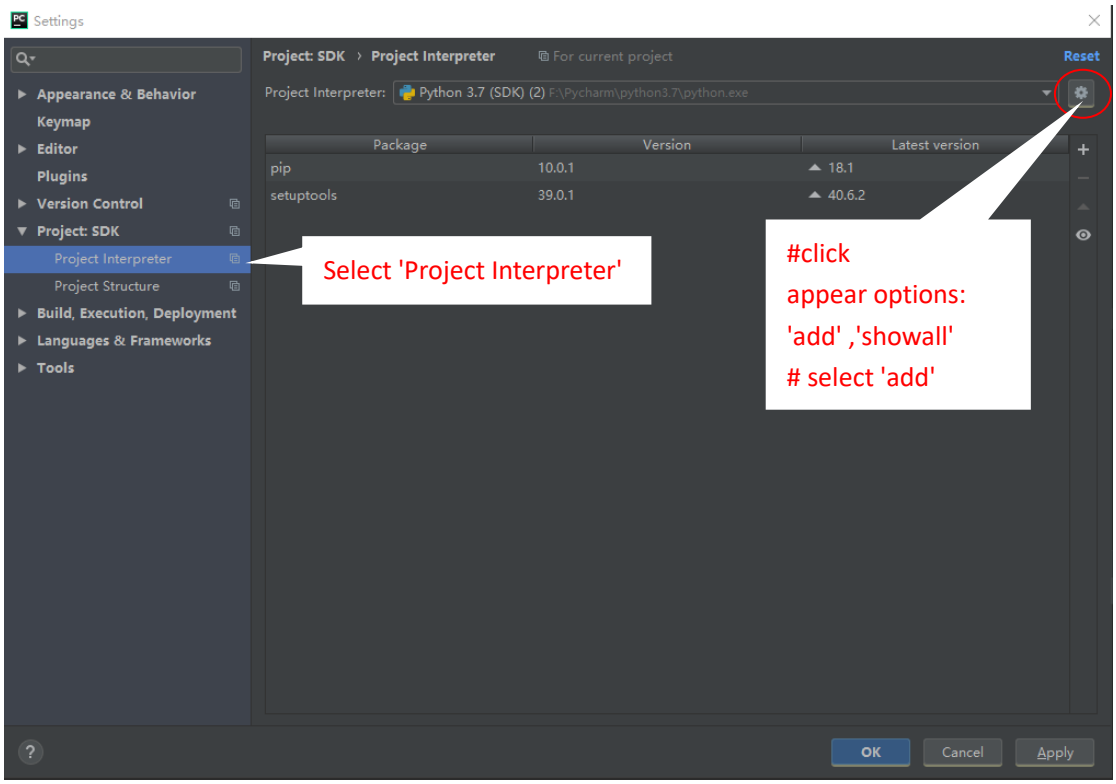
2.3.3. Choose the PythonSDK-V2 directory, click 'OK', then enter the Pycharm interface.



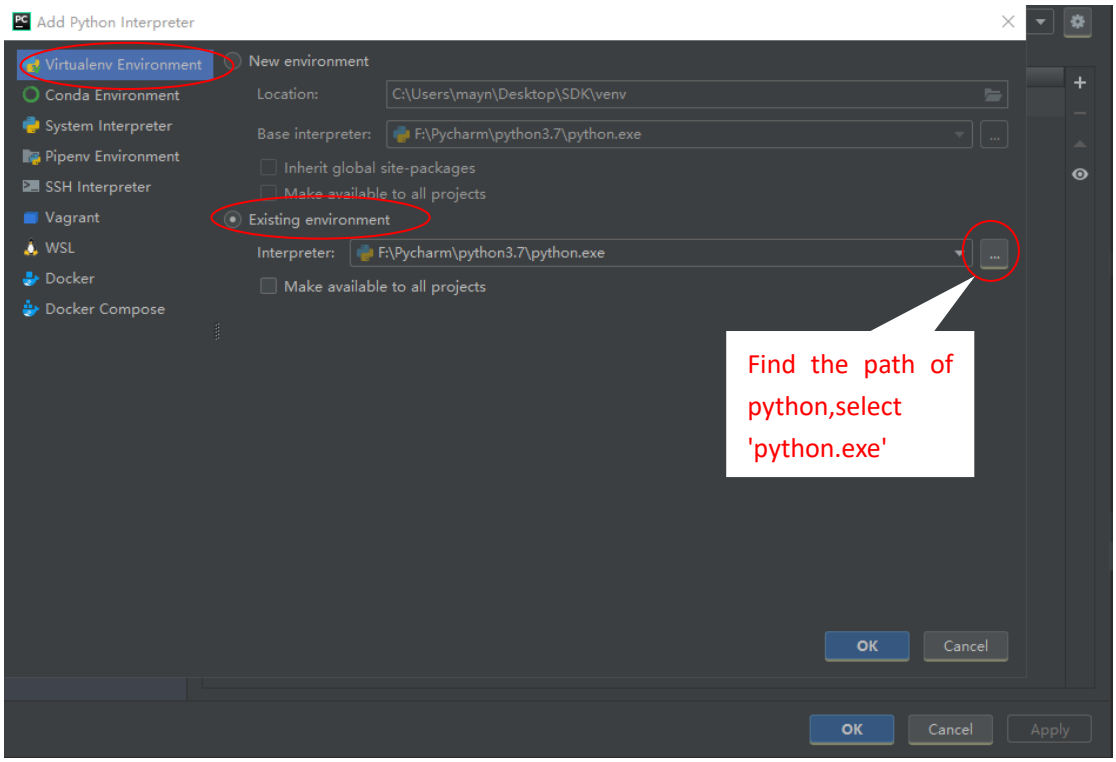
2.4. Add Python interpreter to Pycharm

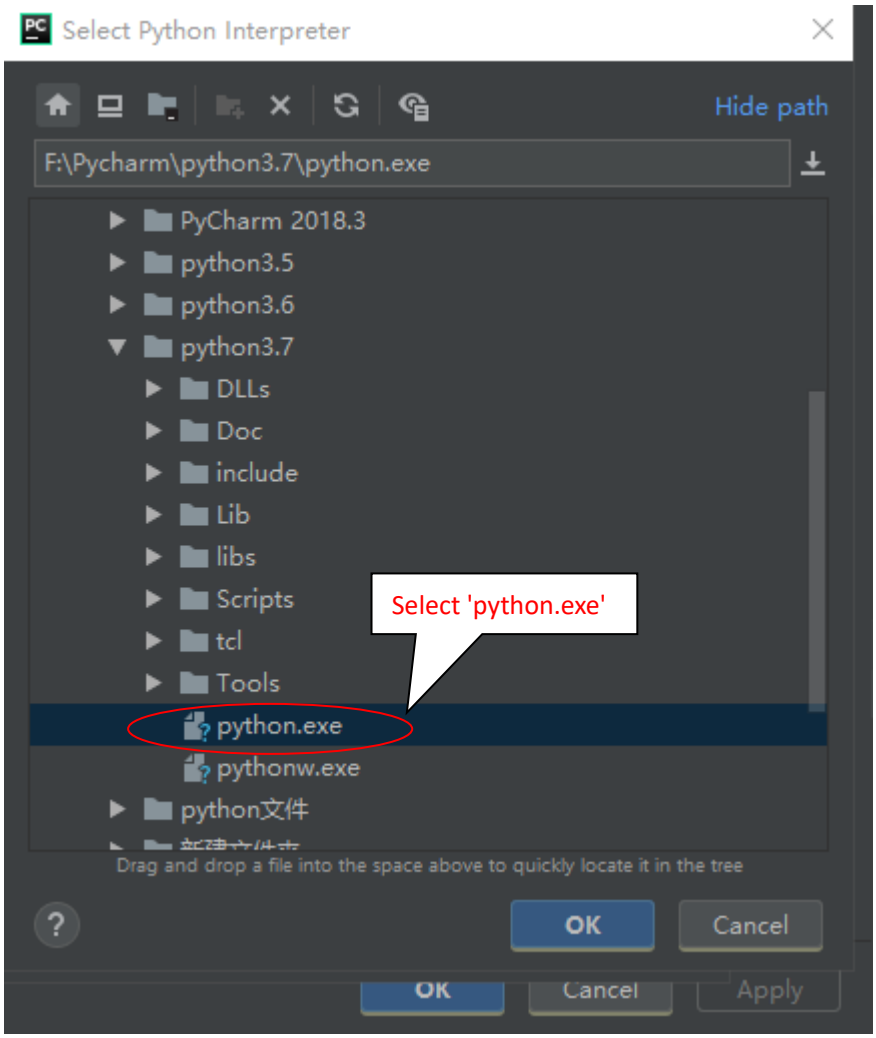
2.4.1. Select the menu: file -> settings. The following dialog box appears, operate according to the diagram.





2.4.2. Setting Python interpreter.





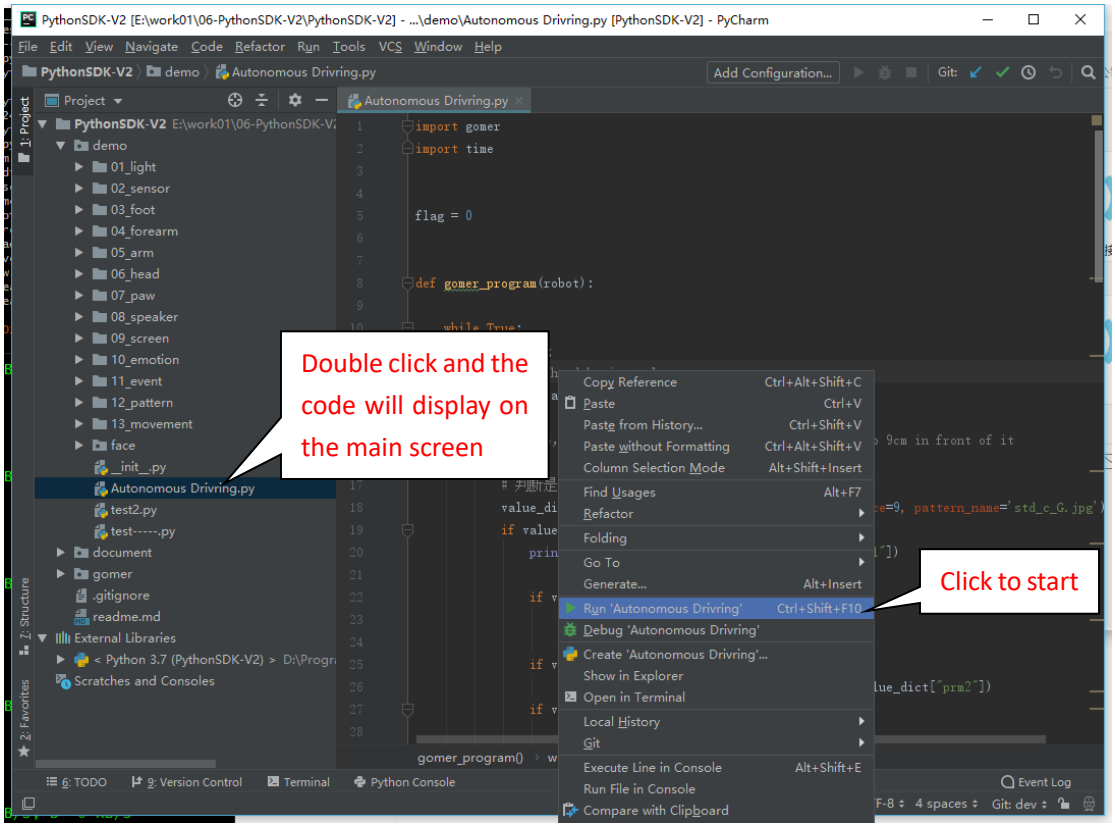
2.4.3. After the selection, click: ‘OK’ -> ‘OK’ -> ‘Apply’ -> ‘OK’, setting completed.

2.5. Run the sample program

This section shows you how to run a program, such as the "Autonomous Driving" scenario.

Step1：Connect the computer Wi-Fi to Gomer and make sure only one SDK is opened.

Step2：Double click to open the program named 'Autonomous Driving' in the demo folder: demo/Autonomous Driving.py.



Step3：Right-click on the main screen, click the run button in the popup option："Run 'Autonomous Driving'". The program will run.

3. API Introduction

Reference "PythonSDK-V2 user's manual". It introduces programming methods and API specifications.

4. FAQ

* Q: What platforms are 'PythonSDK-V2' supported?
  A: Support Windows7 above now. Mac & Linux platforms are coming soon.

* Q: Does 'PythonSDK-V2' require a phone or tablet?
  A: No. All you need is a computer with Wi-Fi. Connect the computer Wi-Fi to Gomer.

* Q: How does 'PythonSDK-V2' connect to Gomer's Wi-Fi? Why can't I search Gomer?
  A: If Gomer is in STA mode, connect the computer and Gomer to the same router. If Gomer is in AP mode, connect the computer Wi-Fi directly to Gomer. If you can't search Gomer, please ensure the robot ID is same with Gomer, or you can restart Gomer to reconnect.

* Q: Can I use the Python 64-bit version?

A: No. Only Python 32-bit is supported in 'PythonSDK-V2'.If you use the 64-bit version, you will get an error. We are developing a compatible version. It's coming soon.

* Q: What can you do if running program error?

A: Troubleshoot errors in the following ways: use the error correction function of Pycharm to troubleshoot code errors; Search for code errors through API documentation; Locate the problem from the printed log; Check Wi-Fi connection; Seek help from the community on our official website; Seek after-sales service.

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