

首先我们打开powershell，右键开始菜单然后选择这两个哪个都行一般选择带有管理员权限的



输入指令

```
conda create -n myconda python=3.11
```

```
管理员: Windows PowerShell
Windows PowerShell
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尝试新的跨平台 PowerShell https://aka.ms/powershell

(base) PS C:\Users\Administrator> conda create -n myconda python=3.11
Retrieving notices: ...working... done
Channels:
- defaults
Platform: win-64
Collecting package metadata (repodata.json): \
```

```
管理员: Windows PowerShell

## Package Plan ##

environment location: C:\ProgramData\anaconda3\envs\myconda

added / updated specs:
- python=3.11

The following packages will be downloaded:

package                                     build                                     90 KB
-----
bzip2-1.0.8                                h2bbff1b_6                                122 KB
libffi-3.4.4                                hd77b12b_1                                7.8 MB
openssl-3.0.14                              h827c3e9_0                                3.5 MB
pip-24.0                                     py311haa95532_0                            18.3 MB
python-3.11.9                               he1021f5_0                                1.3 MB
setuptools-69.5.1                           py311haa95532_0                            973 KB
sqlite-3.45.3                               h2bbff1b_0                                3.5 MB
tk-8.6.14                                   h0416ee5_0                                116 KB
tzdata-2024a                                h04d1e81_0                                10 KB
vc-14.2                                      h2eaa2aa_4                                1.1 MB
vs2015_runtime-14.29.30133                  h43f2093_4                                171 KB
wheel-0.43.0                                py311haa95532_0                            609 KB
xz-5.4.6                                    h8cc25b3_1                                131 KB
zlib-1.2.13                                h8cc25b3_1

Total:                                     37.7 MB

The following NEW packages will be INSTALLED:

bzip2                pkgs/main/win-64::bzip2-1.0.8-h2bbff1b_6
ca-certificates      pkgs/main/win-64::ca-certificates-2024.7.2-haa95532_0
libffi               pkgs/main/win-64::libffi-3.4.4-hd77b12b_1
openssl              pkgs/main/win-64::openssl-3.0.14-h827c3e9_0
pip                  pkgs/main/win-64::pip-24.0-py311haa95532_0
python               pkgs/main/win-64::python-3.11.9-he1021f5_0
setuptools            pkgs/main/win-64::setuptools-69.5.1-py311haa95532_0
sqlite               pkgs/main/win-64::sqlite-3.45.3-h2bbff1b_0
tk                   pkgs/main/win-64::tk-8.6.14-h0416ee5_0
tzdata               pkgs/main/noarch::tzdata-2024a-h04d1e81_0
vc                   pkgs/main/win-64::vc-14.2-h2eaa2aa_4
vs2015_runtime        pkgs/main/win-64::vs2015_runtime-14.29.30133-h43f2093_4
wheel                pkgs/main/win-64::wheel-0.43.0-py311haa95532_0
xz                   pkgs/main/win-64::xz-5.4.6-h8cc25b3_1
zlib                 pkgs/main/win-64::zlib-1.2.13-h8cc25b3_1

Proceed ([y]/n)? y
2024年7月...
```

输入y确定安装

```
管理员: Windows PowerShell

python-3.11.9          | he1021f5_0      18.3 MB
setuptools-69.5.1     | py311haa95532_0 1.3 MB
sqlite-3.45.3         | h2bbff1b_0      973 KB
tk-8.6.14             | h0416ee5_0      3.5 MB
tzdata-2024a         | h04d1e81_0      116 KB
vc-14.2               | h2eaa2aa_4       10 KB
vs2015_runtime-14.29.30133 | h43f2093_4      1.1 MB
wheel-0.43.0          | py311haa95532_0 171 KB
xz-5.4.6              | h8cc25b3_1      609 KB
zlib-1.2.13           | h8cc25b3_1      131 KB

Total:                37.7 MB

4 The following NEW packages will be INSTALLED:

bzip2                pkgs/main/win-64::bzip2-1.0.8-h2bbff1b_6
ca-certificates      pkgs/main/win-64::ca-certificates-2024.7.2-haa95532_0
libffi               pkgs/main/win-64::libffi-3.4.4-hd77b12b_1
openssl              pkgs/main/win-64::openssl-3.0.14-h827c3e9_0
pip                  pkgs/main/win-64::pip-24.0-py311haa95532_0
python               pkgs/main/win-64::python-3.11.9-he1021f5_0
setuptools            pkgs/main/win-64::setuptools-69.5.1-py311haa95532_0
sqlite               pkgs/main/win-64::sqlite-3.45.3-h2bbff1b_0
tk                   pkgs/main/win-64::tk-8.6.14-h0416ee5_0
tzdata               pkgs/main/noarch::tzdata-2024a-h04d1e81_0
vc                   pkgs/main/win-64::vc-14.2-h2eaa2aa_4
vs2015_runtime       pkgs/main/win-64::vs2015_runtime-14.29.30133-h43f2093_4
wheel                pkgs/main/win-64::wheel-0.43.0-py311haa95532_0
xz                   pkgs/main/win-64::xz-5.4.6-h8cc25b3_1
zlib                 pkgs/main/win-64::zlib-1.2.13-h8cc25b3_1

Proceed ([y]/n)? y

5 Downloading and Extracting Packages:

Preparing transaction: done
Verifying transaction: done
Executing transaction: done
#
# To activate this environment, use
#
#     $ conda activate myconda
#
# To deactivate an active environment, use
#
#     $ conda deactivate
#

(base) PS C:\Users\Administrator>
```

现在就创建了一个名字叫做myconda的虚拟python环境

```
conda env list
```

输入以上指令查看我的虚拟环境

```
管理员: Windows PowerShell

(base) PS C:\Users\Administrator> conda env list
# conda environments:
#
base                * C:\ProgramData\anaconda3
myconda             C:\ProgramData\anaconda3\envs\myconda

(base) PS C:\Users\Administrator> 
```

输入指令

```
conda activate myconda
```

来激活我们的myconda环境

```
管理员: Windows PowerShell

(base) PS C:\Users\Administrator> conda env list
# conda environments:
#
base                  * C:\ProgramData\anaconda3
myconda               C:\ProgramData\anaconda3\envs\myconda

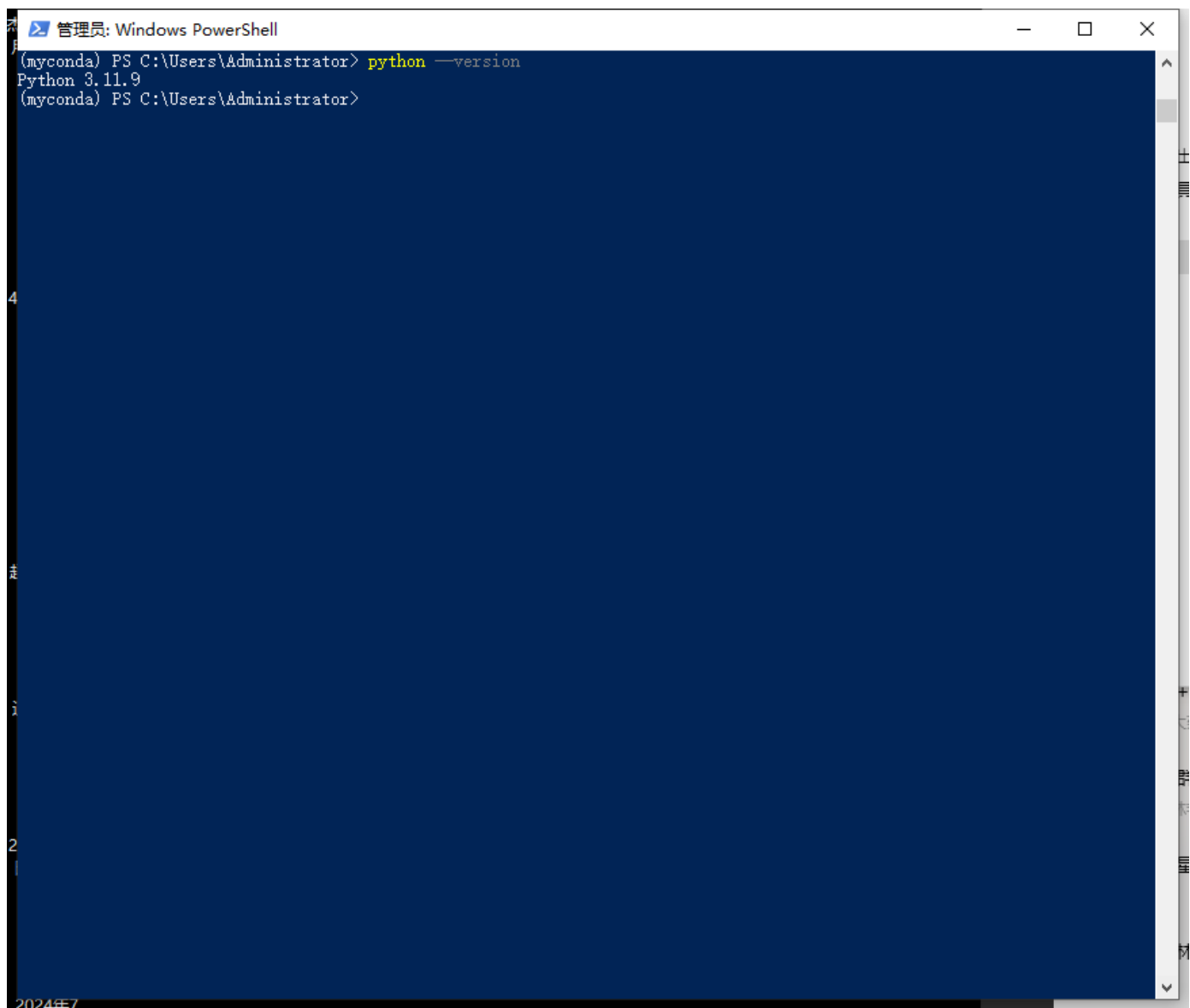
(base) PS C:\Users\Administrator> conda activate myconda
(myconda) PS C:\Users\Administrator>
```

能看出我们从默认的base环境切换到了myconda环境

```
python --version
```

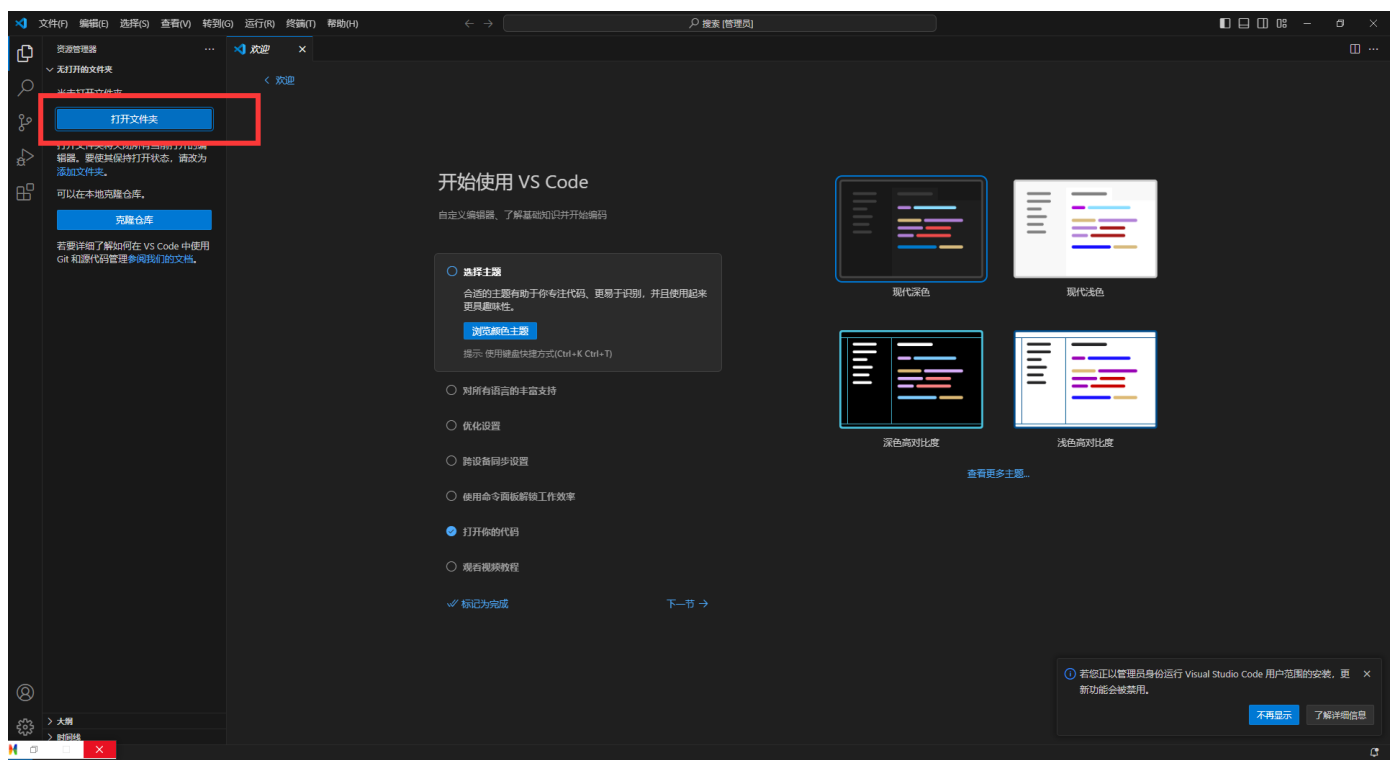
查看当前python版本

我们myconda虚拟环境指定的是python3.11版本

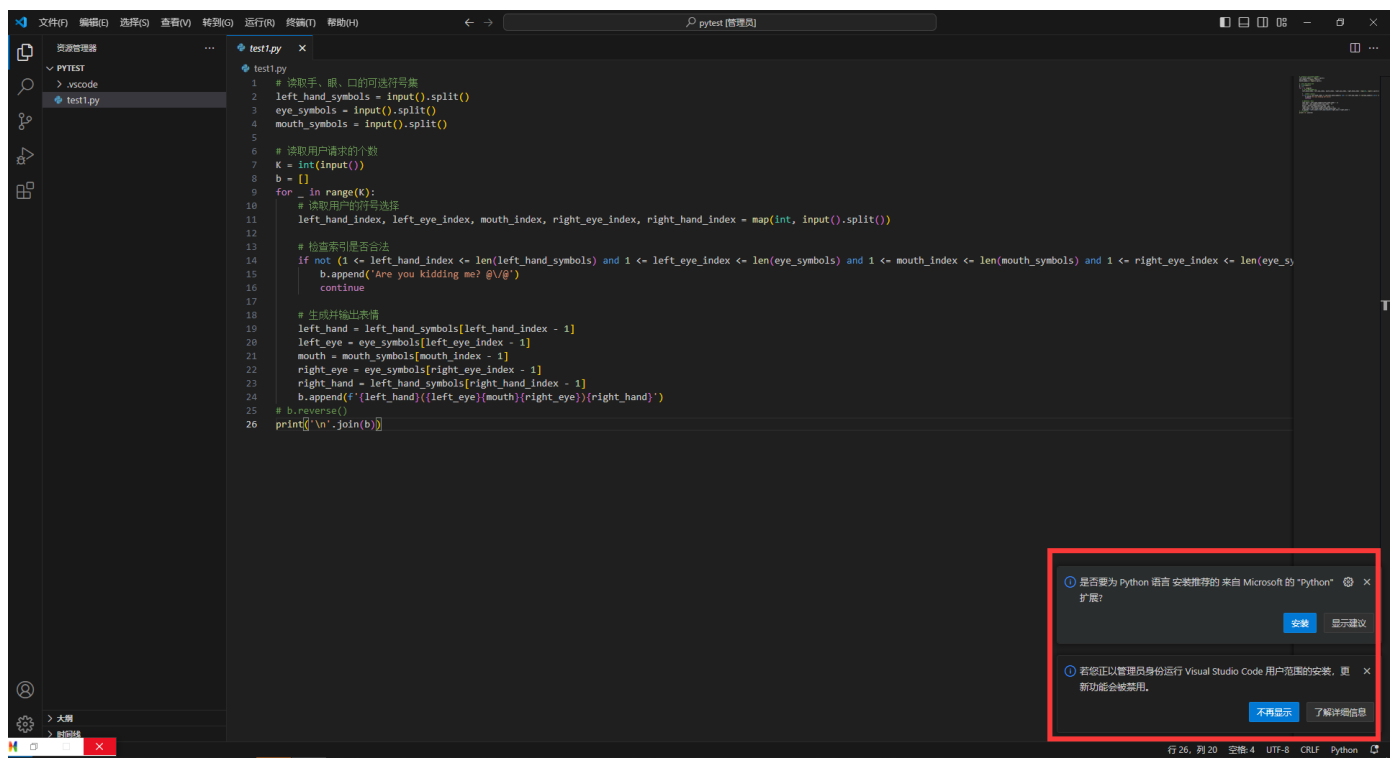
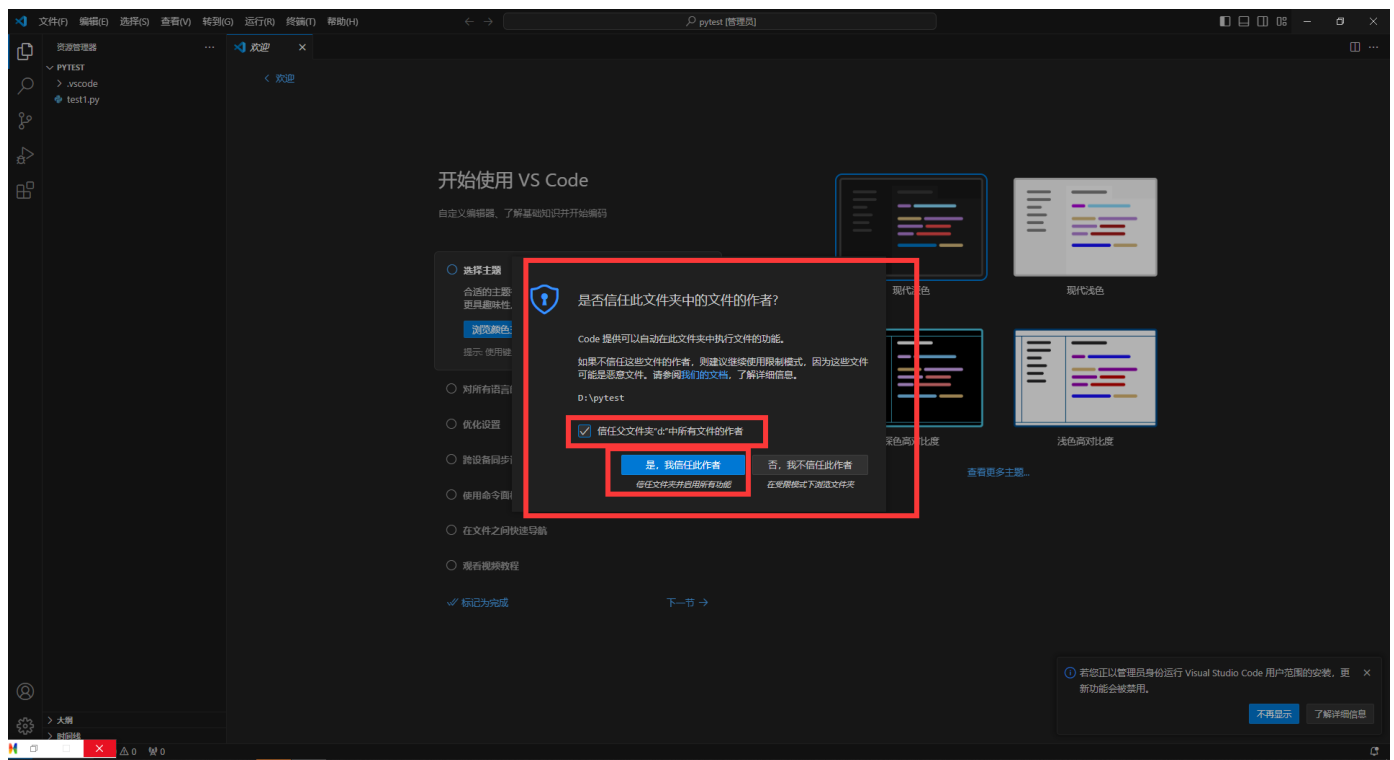


```
管理员: Windows PowerShell
(myconda) PS C:\Users\Administrator> python --version
Python 3.11.9
(myconda) PS C:\Users\Administrator>
```

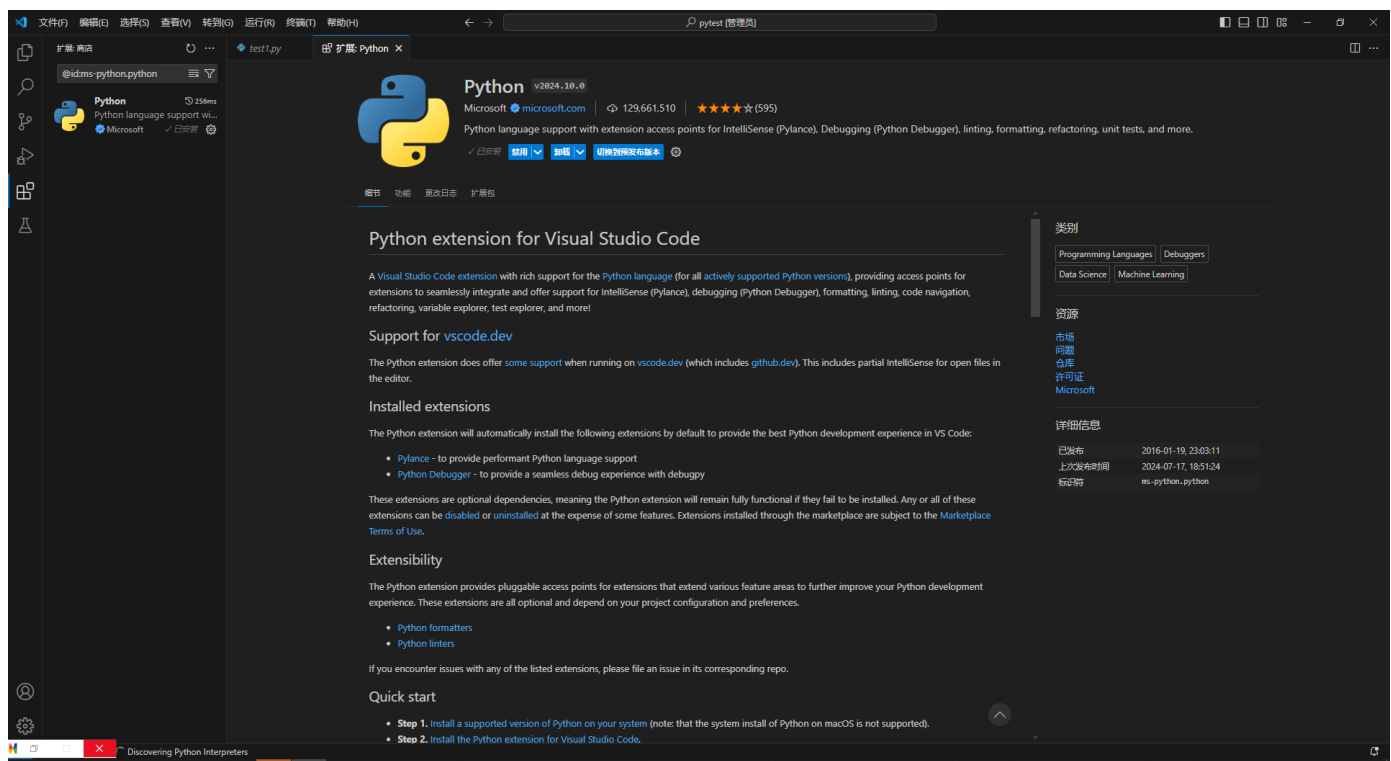
可以关掉了，虚拟环境创建成功打开vscode



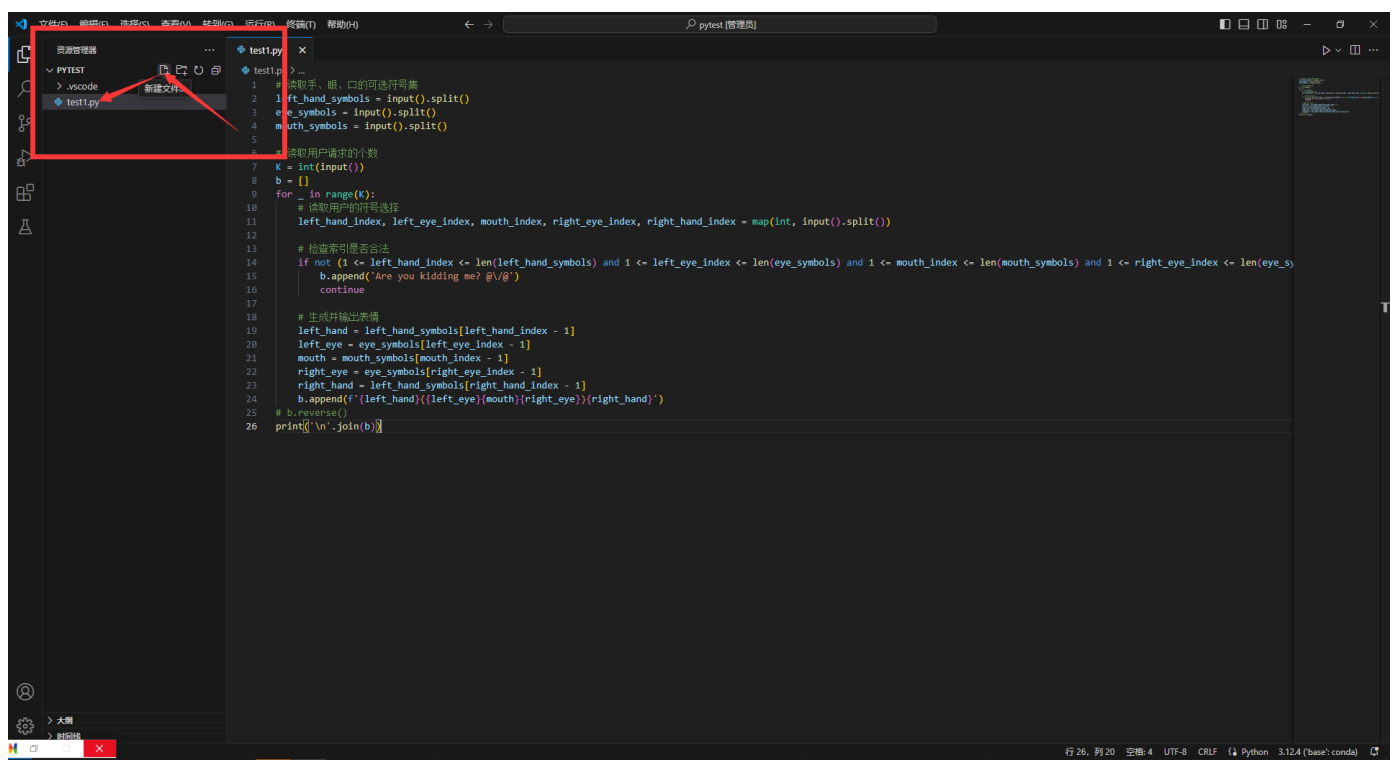
打开一个路径作为我们以后写代码的地方



安装python扩展



安装完成回到代码界面



新建一个py文件

```
.....
```

现在开始我们的第一个程序，咱们做个猜数字的游戏。

```
.....
```

```
import random
def guessNumber(num):
    while True:
        guess = int(input("请输入你猜的数字: "))
```

```

if guess > num:
    print("猜大了")
elif guess < num:
    print("猜小了")
else:
    print("恭喜你，猜对了")
    break

#主函数
if __name__ == '__main__':
    while True:
        nandu = input("请选择难度，1为简单，2为中等，3为困难： ")

        if nandu == "1":
            num = random.randint(0,10)
            guessNumber(num)
        elif nandu == "2":
            num = random.randint(0,100)
            guessNumber(num)
        elif nandu == "3":
            num = random.randint(0,1000)
            guessNumber(num)
        else:
            print("输入错误，请重新输入")

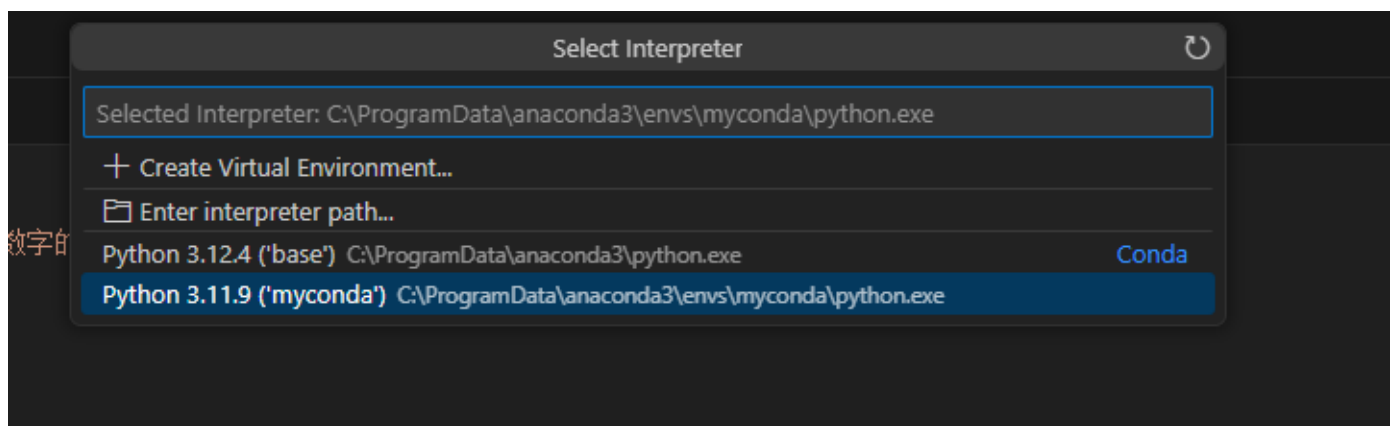
```

现在一个简易猜数字的游戏就完成了。

怎么运行呢在vscode中按下Ctrl+Shift+P键打开命令面板输入

Python: Select Interpreter

按回车选择自己新建的虚拟环境myconda



然后按Ctrl+F5开始运行程序

```
文件(F) 编辑(E) 选择(S) 查看(V) 转到(G) 运行(R) 终端(T) 帮助(H)
pytest (调试器)

test1.py x
1  """
2  现在开始我们的第一个程序，咱们做个猜数字的游戏。
3  """
4  """
5  import random
6  def guessNumber(num):
7      while True:
8          guess = int(input("请输入你猜的数字: "))
9          if guess > num:
10             print("猜大了")
11             elif guess < num:
12                 print("猜小了")
13             else:
14                 print("恭喜你，猜对了")
15                 break
16  #主函数
17  if __name__ == '__main__':
18      while True:
19          nandu = input("请选择难度: 1为简单, 2为中等, 3为困难")
20
21          if nandu == "1":
22              num = random.randint(0,10)
23              guessNumber(num)
24          elif nandu == "2":
25              num = random.randint(0,100)
26              guessNumber(num)
27          elif nandu == "3":
28              num = random.randint(0,1000)
29              guessNumber(num)
30  """
```

Python Debug Console

```
(myconda) PS D:\pytest> & "c:\ProgramData\anaconda3\envs\myconda\python.exe" "c:\Users\Administrator\.vscode\extensions\ms-python.debugpy-2024.8.0-win32-x64\bundle\libs\debugpy\adapter\..\..\debugpy\launcher"
nchen@8096: ~ - "d:\pytest\test1.py"
请选择难度: 1为简单, 2为中等, 3为困难: 1
请输入你猜的数字: 3
猜小了
请输入你猜的数字: 4
猜小了
请输入你猜的数字: 5
恭喜你，猜对了
请选择难度: 1为简单, 2为中等, 3为困难: 
```

行 32, 列 1 空格:4 UTF-8 CRLF Python 3.11.9 (myconda\conda) CODEGEEX

游戏就可以正式开始玩耍了。关于这个游戏里的代码哪一行不懂直接问。