

1、查找与删除

```
(base) lenovo@DESKTOP-PFIKGT MINGW64 ~/week06
$ conda env list

# conda environments:
#
base                * D:\anaconda
myproject           D:\anaconda\envs\myproject
prj1                 D:\anaconda\envs\prj1
prj2                 D:\anaconda\envs\prj2
week04               D:\anaconda\envs\week04
week05               D:\anaconda\envs\week05
week06               D:\anaconda\envs\week06

(base) lenovo@DESKTOP-PFIKGT MINGW64 ~/week06
$ conda env remove -n prj1
```

2、激活并查看

```
$ conda activate week06
(lenovo@DESKTOP-PFIKGT MINGW64 ~/week06)
$ conda list
# packages in environment at D:\anaconda\envs\week06:
#
# Name                                Version                                Build                                Channel
bzip2                                 1.0.8                                 h2466b09_7                          conda-forge
ca-certificates                       2025.1.31                             h56e8100_0                          conda-forge
libexpat                              2.7.0                                 he0c23c2_0                          conda-forge
libffi                                3.4.6                                 h537db12_1                          conda-forge
liblzma                               5.8.1                                 h2466b09_0                          conda-forge
libsqlite                              3.49.1                                h67fdade_2                          conda-forge
libzlib                               1.3.1                                 h2466b09_2                          conda-forge
openssl                               3.5.0                                 ha4e3fda_0                          conda-forge
pip                                    25.0.1                                pyh8b19718_0                        conda-forge
python                                3.12.10                               h3f84c4b_0_cpython                  conda-forge
setuptools                             78.1.0                                pyhff2d567_0                        conda-forge
tk                                     8.6.13                                h5226925_1                          conda-forge
tzdata                                2025b                                 h78e105d_0                          conda-forge
ucrt                                   10.0.22621.0                         h57928b3_1                          conda-forge
vc                                     14.3                                  h2b53caa_26                         conda-forge
vc14_runtime                           14.42.34438                          hfd919c2_26                         conda-forge
wat-inspector                          0.4.3                                pyhff2d567_0                        conda-forge
wheel                                  0.45.1                                pyhd8ed1ab_1                        conda-forge
```

3、创建一个 guessing_game.py 文件，复制粘贴以下代码，运用 pdb 调试器理解其运行流程

```
File Edit Selection View Go ... week06
! environment.yml guessing_game.py x
guessing_game.py > ...
1 import random
2
3
4 def guessing_game():
5     # 生成 1 到 100 之间的随机整数
6     secret_number = random.randint(1, 100)
7     n = 0
8
9     print("欢迎来到猜数字游戏! 我已经想好了一个 1 到 100 之间的数字, 你可以开始猜啦。")
10
11     while True:
12         n += 1
13         # 获取玩家输入
14         guess = input(f"第 {n} 次尝试 请输入你猜的数字 (输入整数, 或者输入 q 回车退出): ")
15         guess = guess.strip() # 去除多余空白字符
16
17         if guess == "q":
18             break
19
20         try:
21             guess = int(guess)
22         except ValueError:
23             print("输入无效, 请输入一个整数。")
24             continue
25
26         if guess < 1 or guess > 100:
27             print("输入无效, 输入值应该在 1-100 之间。")
28             continue
29
30
31
Ln 48, Col 20 Spaces: 4 UTF-8 CRLF Python 3.12.7 (base)
```

4、创建一个 flow_controls.py 文件, 让豆包 (或 DeepSeek 等任何大模型) 生成例子, 尝试运行, 体会理解以下 Python 流程控制语句:

- o for 迭代循环 (iteration loop)
- o while 条件循环 (conditional loop)
- o break 打断跳出循环
- o continue 跳至下一轮循环
- o for...else 循环未被打断的处理
- o if 条件分支
- o if...elif...else 多重条件分支
- o if...else 未满足条件的处理
- o try...except[...except...else...finally] 捕捉异常的处理
- o raise 主动抛出异常

```
! environment.yml guessing_game.py flow_controls.py x
flow_controls.py > ...
1 fruits = ['apple', 'banana', 'cherry']
2 for fruit in fruits:
3     print(fruit)
```

```
(week06) lenovo@DESKTOP-PFIKGT MINGW64 ~/week06
$ python flow_controls.py
apple
banana
cherry
```

```

(lenovo06) lenovo@DESKTOP-PFIKGT MINGW64 ~/week06
$ python myjob.py
--Return--
> c:\users\lenovo\week06\myjob.py(3)<module>()->None
-> breakpoint()
(Pdb) import wat
(Pdb) wat / mylib

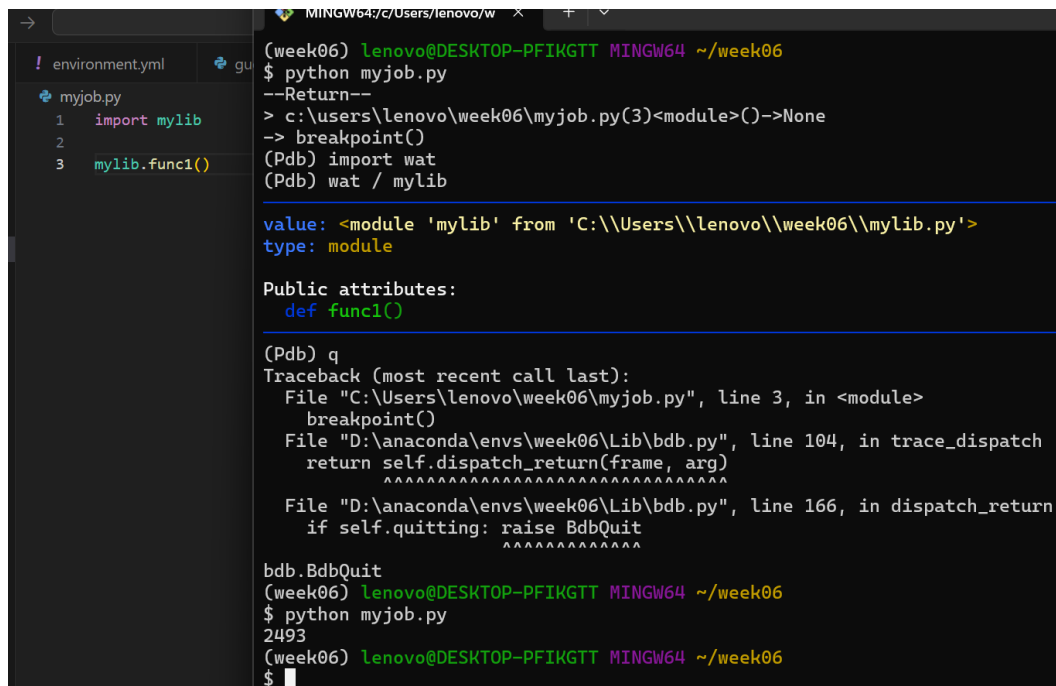
value: <module 'mylib' from 'C:\\Users\\lenovo\\week06\\mylib.py'>
type: module

Public attributes:
  def func1()

(Pdb) q
Traceback (most recent call last):
  File "C:\Users\lenovo\week06\myjob.py", line 3, in <module>
    breakpoint()
  File "D:\anaconda\envs\week06\Lib\bdb.py", line 104, in trace_dispatch
    return self.dispatch_return(frame, arg)
    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "D:\anaconda\envs\week06\Lib\bdb.py", line 166, in dispatch_return
    if self.quitting: raise BdbQuit
    ^^^^^^^^^^^^^^^
bdb.BdbQuit

```

5、没有形参，没有返回值



```

! environment.yml  gu
myjob.py
1 import mylib
2
3 mylib.func1()

(lenovo06) lenovo@DESKTOP-PFIKGT MINGW64 ~/week06
$ python myjob.py
--Return--
> c:\users\lenovo\week06\myjob.py(3)<module>()->None
-> breakpoint()
(Pdb) import wat
(Pdb) wat / mylib

value: <module 'mylib' from 'C:\\Users\\lenovo\\week06\\mylib.py'>
type: module

Public attributes:
  def func1()

(Pdb) q
Traceback (most recent call last):
  File "C:\Users\lenovo\week06\myjob.py", line 3, in <module>
    breakpoint()
  File "D:\anaconda\envs\week06\Lib\bdb.py", line 104, in trace_dispatch
    return self.dispatch_return(frame, arg)
    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "D:\anaconda\envs\week06\Lib\bdb.py", line 166, in dispatch_return
    if self.quitting: raise BdbQuit
    ^^^^^^^^^^^^^^^
bdb.BdbQuit
(lenovo06) lenovo@DESKTOP-PFIKGT MINGW64 ~/week06
$ python myjob.py
2493
(lenovo06) lenovo@DESKTOP-PFIKGT MINGW64 ~/week06
$

```