配置 week06 环境

```
(base) 31776@□□□□ľ□□ MINGW64 ~
$ cd repo

(base) 31776@□□□□ľ□□ MINGW64 ~/repo
$

(base) 31776@□□□□ľ□□ MINGW64 ~/repo
$ git clone git@gitcode.com:KJM04/week06.git
Cloning into 'week06'...
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 5 (delta 0), reused 5 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (5/5), 8.45 KiB | 4.22 MiB/s, done.

(base) 31776@□□□□ľ□□ MINGW64 ~/repo
$ cd week06

(base) 31776@□□□□ľ□□ MINGW64 ~/repo/week06 (main)
$ cp ../week05/environment.yml
cp: missing destination file operand after '../week05/environment.yml'
Try 'cp --help' for more information.

(base) 31776@□□□□ľ□□ MINGW64 ~/repo/week06 (main)
$ cp ../week05/environment.yml ./

(base) 31776@□□□□ľ□□ MINGW64 ~/repo/week06 (main)
$
```

```
(base) 31776@□□□□ľ□□ MINGW64 ~/repo/week06 (main)
$ ls -l
total 25
-rw-r--r-- 1 31776 197609    91  4月  17 08:34 environment.yml
-rw-r--r-- 1 31776 197609 18805  4月  17 08:31 LICENSE
-rw-r--r-- 1 31776 197609  2239  4月  17 08:31 README.md
done
#
# To activate this environment, use
#
#     $ conda activate week06
#
# To deactivate an active environment, use
#
#     $ conda deactivate


(base) 31776@□□□□ľ□□ MINGW64 ~/repo/week06 (main)
$ conda env list
# conda environments:
#
base                 *  D:\Apps\Anaconda
myproject               D:\Apps\Anaconda\envs\myproject
prj1                    D:\Apps\Anaconda\envs\prj1
prj2                    D:\Apps\Anaconda\envs\prj2
week04                  D:\Apps\Anaconda\envs\week04
week05                  D:\Apps\Anaconda\envs\week05
```

```
done
#
# To activate this environment, use
#
#     $ conda activate week06
#
# To deactivate an active environment, use
#
#     $ conda deactivate


(base) 31776@□□□□ĺ□□ MINGW64 ~/repo/week06 (main)
$ conda env list
# conda environments:
#
base                  *  D:\Apps\Anaconda
myproject                D:\Apps\Anaconda\envs\myproject
prj1                     D:\Apps\Anaconda\envs\prj1
prj2                     D:\Apps\Anaconda\envs\prj2
week04                   D:\Apps\Anaconda\envs\week04
week05                   D:\Apps\Anaconda\envs\week05
week06                   D:\Apps\Anaconda\envs\week06
```

for 语句

```
(week06)
31776@□□□□ĺ□□ MINGW64 ~/repo/week06 (main)
$ python flow_control.py
apple, ok
banana, ok
cherry, ok
H
e
l
l
o
0
1
2
3
4
name : John
age : 30
city : New York
(week06)
```

```
(week06)
31776@□□□□ĺ□□ MINGW64 ~/repo/week06 (main)
$ python flow_control.py
apple, ok
banana, ok
cherry, ok
H
e
l
l
o
0
1
2
3
4
name : John
age : 30
city : New York
0
1
2
3
4
5
4
3
2
1
请输入一个 1 到 10 之间的整数：1
你输入的有效数字是：1
```

mylib, myjob 调试

```
(week06)
31776@□□□□ĺ□□ MINGW64 ~/repo/week06 (main)
$ python myjob.py
0.0710678118654755
--Return--
> c:\users\31776\repo\week06\myjob.py(4)<module>()->None
-> breakpoint()
(Pdb) q
```

function1-4 调试

```
(week06)
31776@□□□□Ꞇ□□ MINGW64 ~/repo/week06 (main)
$ python myjob.py
0.0710678118654755
None
func1() takes 0 positional arguments but 1 was given
1.3666002653407556
1.3666002653407556
-0.2917960675006306
-0.1443453995989561
func3() missing 1 required positional argument: 'x'
func3() got an unexpected keyword argument 'y'
-0.07179676972449123
0.0
0.0710678118654755
--Return--
> c:\users\31776\repo\week06\myjob.py(38)<module>()->None
-> breakpoint()
```

位置形参　命名形参　位置实参　命名实参

```
(week06)
31776@□□□□Ꞇ□□ MINGW64 ~/repo/week06 (main)
$ python myjob.py
你购买的商品是 智能手机，单价为 5000 元，购买了 2 件。
享受了 10.0% 的折扣，需缴纳 10.0% 的税。
最终订单总价是 9900.0 元。
0.0710678118654755
None
func1() takes 0 positional arguments but 1 was given
1.3666002653407556
1.3666002653407556
-0.2917960675006306
-0.1443453995989561
func3() missing 1 required positional argument: 'x'
func3() got an unexpected keyword argument 'y'
-0.07179676972449123
0.0
0.0710678118654755
你购买的商品是 智能手机，单价为 5000 元，购买了 1 件。
享受了 0.0% 的折扣，需缴纳 10.0% 的税。
最终订单总价是 5500.0 元。
5500.0
你购买的商品是 手机，单价为 4999 元，购买了 1 件。
享受了 0.0% 的折扣，需缴纳 10.0% 的税。
最终订单总价是 5498.9 元。
5498.9
--Return--
> c:\users\31776\repo\week06\myjob.py(41)<module>()->None
-> breakpoint()
(Pdb)
```

func5-8

```
你购买的商品是 智能手机，单价为 5000 元，购买了 1 件。
享受了 0.0% 的折扣，需缴纳 10.0% 的税。
最终订单总价是 5500.0 元。
5500.0
你购买的商品是 手机，单价为 4999 元，购买了 1 件。
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最终订单总价是 5498.9 元。
5498.9
你购买的商品是 手机，单价为 4998.0 元，购买了 1 件。
享受了 0.0% 的折扣，需缴纳 10.0% 的税。
最终订单总价是 5497.8 元。
5497.8
你购买的商品是 手机，单价为 4997.0 元，购买了 1 件。
享受了 0.0% 的折扣，需缴纳 10.0% 的税。
最终订单总价是 5496.7 元。
5496.7
12
--Return--
```

func9-12

```
你购买的商品是 手机，单价为 4999 元，购买了 1 件。
享受了 0.0% 的折扣，需缴纳 10.0% 的税。
最终订单总价是 5498.9 元。
5498.9
你购买的商品是 手机，单价为 4998.0 元，购买了 1 件。
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你购买的商品是 手机，单价为 4997.0 元，购买了 1 件。
享受了 0.0% 的折扣，需缴纳 10.0% 的税。
最终订单总价是 5496.7 元。
5496.7
12
name: Alice
age: 25
city: New York
occupation: Doctor
位置实参 arg1 的值为：20
位置实参 arg2 的值为：30
命名实参 named_arg 的值为：40
命名实参 param1 的值为：10
命名实参 param2 的值为：20
命名实参 param3 的值为：30
位置实参 arg1 的值为：7
位置实参 arg2 的值为：8
命名实参 named_arg 的值为：9
--Return--
> c:\users\31776\repo\week06\myjob.py(61)<module>()->None
-> breakpoint()
(Pdb)
```

安装

```
(week06)
31776@□□□□ʃ□□ MINGW64 ~/repo/week06 (main)
$ pip install -e .
Looking in indexes: https://mirrors.tuna.tsinghua.edu.cn/pypi/web/simple
Obtaining file:///C:/Users/31776/repo/week06
  Installing build dependencies ... done
  Checking if build backend supports build_editable ... done
  Getting requirements to build editable ... done
  Installing backend dependencies ... done
  Preparing editable metadata (pyproject.toml) ... done
Collecting openpyxl (from mypackage==2025.4.14)
  Downloading https://mirrors.tuna.tsinghua.edu.cn/pypi/web/packages/c0/da/977ded879c29cbd04de313843e76868e6e13408a94ed6
b987245dc7c8506/openpyxl-3.1.5-py2.py3-none-any.whl (250 kB)
Collecting et-xmlfile (from openpyxl->mypackage==2025.4.14)
  Downloading https://mirrors.tuna.tsinghua.edu.cn/pypi/web/packages/c1/8b/5fe2cc11fee489817272089c4203e679c63b570a5aaeb
18d852ae3cbba6a/et_xmlfile-2.0.0-py3-none-any.whl (18 kB)
Building wheels for collected packages: mypackage
  Building editable for mypackage (pyproject.toml) ... done
  Created wheel for mypackage: filename=mypackage-2025.4.14-py2.py3-none-any.whl size=7249 sha256=1c307315bb312b93008b84
9b0b3aabd285b13ca5158aff1a6a5cd62965245d45
  Stored in directory: C:\Users\31776\AppData\Local\Temp\pip-ephem-wheel-cache-dkq6dzod\wheels\9e\98\b8\4ba3ebc66add2c5e
43ea4c33872b328b80ee86c17c266e1977
Successfully built mypackage
Installing collected packages: et-xmlfile, openpyxl, mypackage
Successfully installed et-xmlfile-2.0.0 mypackage-2025.4.14 openpyxl-3.1.5
(week06)
31776@□□□□ʃ□□ MINGW64 ~/repo/week06 (main)
$ python
Python 3.12.10 | packaged by conda-forge | (main, Apr 10 2025, 22:08:16) [MSC v.1943 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import mypkg
>>> mypkg.__file__
'C:\\Users\\31776\\repo\\week06\\src\\mypkg\\__init__.py'
>>> import mypkg.mylib
你购买的商品是 智能手机，单价为 5000 元，购买了 2 件。
享受了 10.0% 的折扣，需缴纳 10.0% 的税。
最终订单总价是 9900.0 元。
font_size: 14
background_color: white
text_color: black
>>> mypkg.mylib.func1()
0.0710678118654755
>>> import mypkg.guessing_game
>>> mypkg.guessing_game.guessing_game
<function guessing_game at 0x0000023100D1D620>
>>> mypkg.guessing_game.guessing_game()
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。
（第 1 次尝试）请输入你猜的数字（输入整数，或者输入 q 回车退出）：█
```

完成调试

```
Pip subprocess output:
Looking in indexes: https://mirrors.tuna.tsinghua.edu.cn/pypi/web/simple
Obtaining file:///C:/Users/31776/repo/week06 (from -r C:\Users\31776\repo\week06\condaenv.hwt1lpjn.requirements.txt (li)
  Installing build dependencies: started
  Installing build dependencies: finished with status 'done'
  Checking if build backend supports build_editable: started
  Checking if build backend supports build_editable: finished with status 'done'
  Getting requirements to build editable: started
  Getting requirements to build editable: finished with status 'done'
  Installing backend dependencies: started
  Installing backend dependencies: finished with status 'done'
  Preparing editable metadata (pyproject.toml): started
  Preparing editable metadata (pyproject.toml): finished with status 'done'
Collecting openpyxl (from mypackage==2025.4.14->-r C:\Users\31776\repo\week06\condaenv.hwt1lpjn.requirements.txt (line )
  Using cached https://mirrors.tuna.tsinghua.edu.cn/pypi/web/packages/c0/da/977ded879c29cbd04de313843e76868e6e13408a94e)
Collecting et-xmlfile (from openpyxl->mypackage==2025.4.14->-r C:\Users\31776\repo\week06\condaenv.hwt1lpjn.requirement)
  Using cached https://mirrors.tuna.tsinghua.edu.cn/pypi/web/packages/c1/8b/5fe2cc11fee489817272089c4203e679c63b570a5aa)
Building wheels for collected packages: mypackage
  Building editable for mypackage (pyproject.toml): started
  Building editable for mypackage (pyproject.toml): finished with status 'done'
  Created wheel for mypackage: filename=mypackage-2025.4.14-py2.py3-none-any.whl size=7281 sha256=b33106a281028ba1bc42be
  Stored in directory: C:\Users\31776\AppData\Local\Temp\pip-ephem-wheel-cache-qs_ppufd\wheels\9e\98\b8\4ba3ebc66add2c57
Successfully built mypackage
Installing collected packages: et-xmlfile, openpyxl, mypackage

Successfully installed et-xmlfile-2.0.0 mypackage-2025.4.14 openpyxl-3.1.5

done
#
```