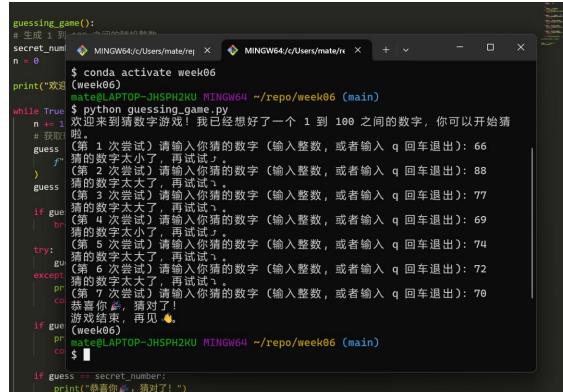
## 第六周 Python 代码组织

```
| Penvironmentyml | Penvironm
```

```
print("欢迎来

♦ MINGW64:/c/Users/mate/repc × + ∨
           输入 q 回车退出): "
            16
            17
                           guess = guess.strip() # 去除多余空白字符
   guess = j
            18
    f"(第
            19
                            if guess == "q":
            20
                                break
   guess = {
            21
                            try:
   if guess
                               guess = int(guess)
            24
                           except ValueError:
           (Pdb) p guess
           'q'
      guess (Pdb) p guess == 'q'
   except Va True print (Pdb)
```

```
secret_number = random.randint(1, 100)
print("欢迎来
               ♦ MINGW64:/c/Users/mate/repc ×
             (Pdb) p guess
    # 获取玩写(Pdb) n
             66
             > c:\users\mate\repo\week06\guessing_game.py(36)guessing_game()
-> if guess < secret_number:</pre>
    guess
        f"(第
              (Pdb) p guess
    guess
             66
              (Pdb) p secret_number
      guess
             75
              (Pdb) p guess < secret_number
              True
              (Pdb) l
        guess
              31
                                 if guess == secret_number:
print("恭喜你 🎉, 猜对了! ")
              32
              33
```



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:

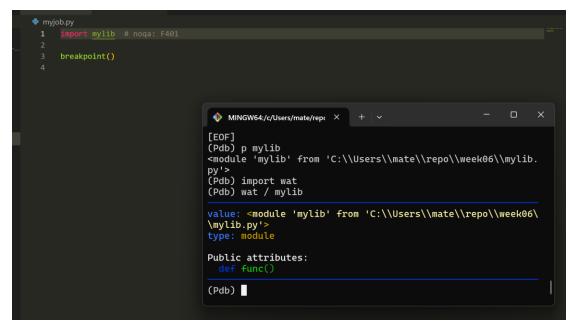
```
for 迭代循环(iteration loop)
while 条件循环(conditional loop)
break 打断跳出循环
continue 跳至下一轮循环
for...else 循环未被打断的处理
if 条件分支
if...elif[...elif] 多重条件分支
if...else 未满足条件的处理
try...except[...except...else...finally] 捕捉异常的处理
```

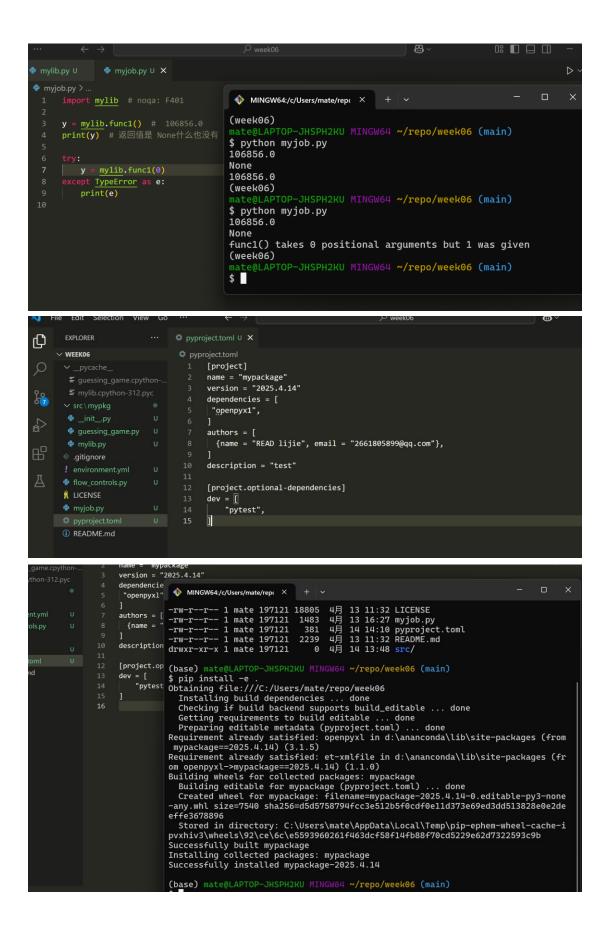
○ raise 主动抛出异常

```
♦ MINGW64:/c/Users/mate/repc ×

             count += 3 # 29 32 35 38 41 44 47
 48
 49
        numbers = [1, 2, 3, 4, 5]
 50
 51
        breakpoint()
     -> while numbers:
 52
             print(numbers.pop())
[EOF]
(Pdb) p numbers
[1, 2, 3, 4]
(Pdb) n
> c:\users\mate\repo\week06\flow_controls.py(53)<module>()
-> print(numbers.pop())
(Pdb) n
> c:\users\mate\repo\week06\flow_controls.py(52)<module>()
-> while numbers:
(Pdb) p numbers
[1, 2, 3]
(Pdb)
```

```
"meet", "vegetable": "cherry", "city": "harbin"}
ey}: {value}") # foo 🔷 MINGW64:/c/Users/mate/repc 🗙
 "meet", "vegetable": 2
l.keys():
                    > c:\users\mate\repo\week06\flow_controls.py(52)<module>()
                    -> while numbers:
                    (Pdb) n
 "meet", "vegetable":
                    > c:\users\mate\repo\week06\flow_controls.py(53)<module>()
irl.values():
                    -> print(numbers.pop())
                    (Pdb) n
                    > c:\users\mate\repo\week06\flow_controls.py(52)<module>()
                    -> while numbers:
                    (Pdb) p numbers
                    []
(Pdb) p bool(numbers)
                    False
                    (Pdb)
```





```
## MINGW64/r/Users/mate/repx × + ▼

File "<stdin>", line 1, in <module>

ModuleNotFoundError: No module named 'mypackage'
>>> import mypkg
>>> mkpkg, __file__
Traceback (most recent call last):
File "<stdin>", line 1, in <module>

NameError: name 'mkpkg' is not defined. Did you mean: 'mypkg'?
>>> mypkg, __file__
'C:\\Users\\mate\\repo\\week06\\src\\mypkg\\__init__.py'
>>> import mypkg myllib
>>> mypkg, myllib funcl()
106856.0

>>> mypkg, guessing_game
Traceback (most recent call last):
File "<stdin>", line 1, in <module>
AttributeError: module 'mypkg' has no attribute 'guessing_game'
>>> import mypkg.guessing_game.
File "<stdin>", line 1
    mypkg.guessing_game.
File "<stdin>", line 1
    mypkg.guessing_game.
File "<stdin>", line 1
    mypkg.guessing_game.

SyntaxError: invalid syntax
>>> mypkg.guessing_game at 0x000001851AE66200>
>>> mypkg.guessing_game.guessing_game()
xpuxxyJfaby; 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):
```

```
(base) mate@LAPTOP-JHSPH2KU MINGW64 ~/repo/week06 (main)
$ python
Python 3.12.7 | packaged by Anaconda, Inc. | (main, Oct  4 2024, 13:17:27) [MSC v.1929 64 bit
4)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> from mypkg import mylib
>>> mylib.func1()
44756.0
>>> import openpyxl
>>> openpyxl.__file__
'D:\\ananconda\\Lib\\site-packages\\openpyxl\\__init__.py'
>>> mylib.__file__
'C:\\Users\\mate\\repo\\week06\\src\\mypkg\\mylib.py'
>>> ■
```