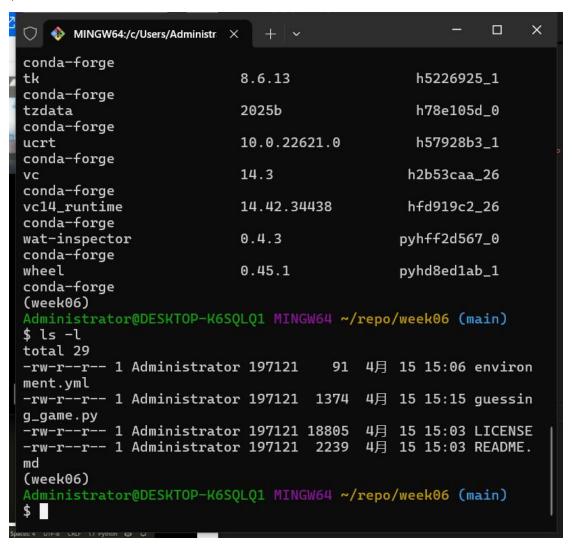
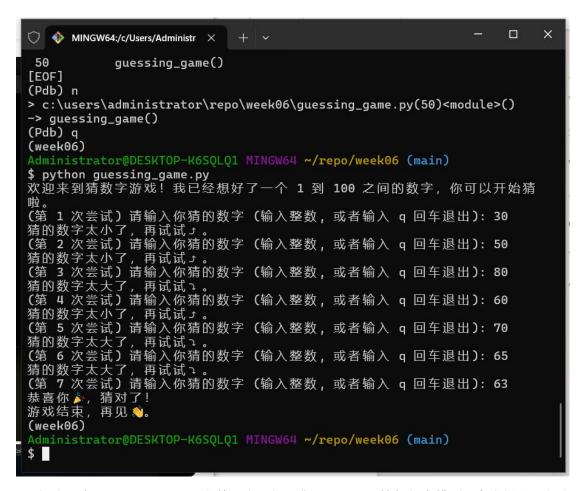
## 第六周笔记作业

1.Fork 第 06 周打卡 仓库至你的名下,然后将你名下的这个仓库 Clone 到你的本地计算机

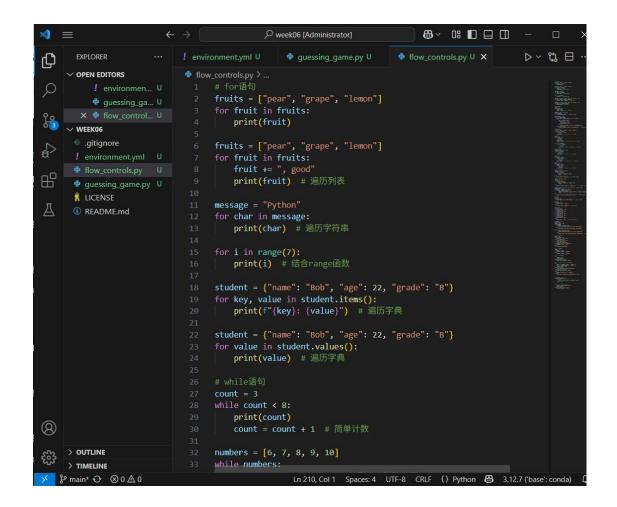
- 2.用 VS Code 打开项目目录,新建一个 environment.yml 文件,指定安装 Python 3.12,然 后运行 conda env create 命令创建 Conda 环境
- 3. 创建一个 guessing\_game.py 文件,复制粘贴以下代码,运用 pdb 调试器理解其运行流程:



```
MINGW64:/c/Users/Administr ×
Try 'python -h' for more information.
(week06)
Administrator@DESKTOP-K6SQLQ1 MINGW64 ~/repo/week06 (main)
$ python -m pdb guessing_game.py
> c:\users\administrator\repo\week06\guessing_game.py(1)<module>()
-> import random
(Pdb) l
 1 -> import random
  2
  3
       def guessing_game():
# 生成 1 到 100 之间的随机整数
 4
  5
           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
           while True:
11
(Pdb) n
> c:\users\administrator\repo\week06\guessing_game.py(4)<module>()
-> def guessing_game():
(Pdb) l
  1
       import random
  2
  3
    -> def guessing_game():
  5
            # 生成 1 到 100 之间的随机整数
  6
            secret_number = random.randint(1, 100)
```

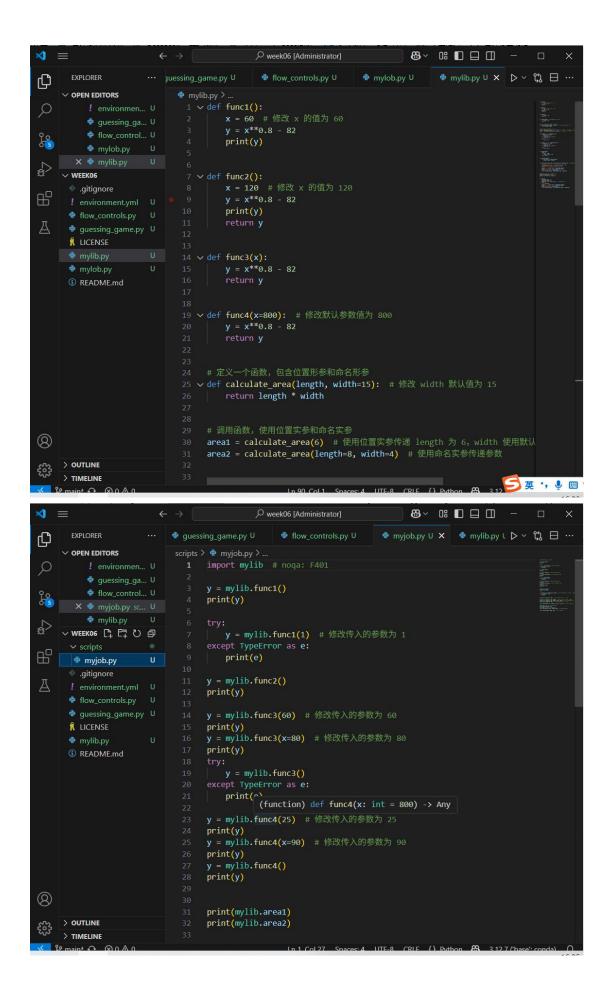


4. 创建一个 flow\_controls.py 文件, 让豆包 (或 DeepSeek 等任何大模型) 生成例子,尝试运行,体会理解以下 Python 流程控制语句:



```
X
MINGW64:/c/Users/Administr ×
Administrator@DESKTOP-K6SQLQ1 MINGW64 ~/repo/week06 (main)
$ python -m pdb flow_controls.py
> c:\users\administrator\repo\week06\flow_controls.py(2)<module>()
-> fruits = ["pear", "grape", "lemon"]
(Pdb) l
         # for语句
     -> fruits = ["pear", "grape", "lemon"]
for fruit in fruits:
  2
  3
  4
              print(fruit)
  5
         fruits = ["pear", "grape", "lemon"]
for fruit in fruits:
  6
  7
              fruit += ", good"
print(fruit) #遍历列表
  9
 10
 11
         message = "Python"
(Pdb) n
> c:\users\administrator\repo\week06\flow_controls.py(3)<module>()
-> for fruit in fruits:
(Pdb) l
  1
         # for语句
     fruits = ["pear", "grape", "lemon"]
-> for fruit in fruits:
  2
  3
  4
              print(fruit)
  5
         fruits = ["pear", "grape", "lemon"]
for fruit in fruits:
  6
  7
              fruit += ", good"
print(fruit) #遍历列表
  8
  9
```

5. 创建一个 mylib.py 模块 (module), 在里面定义以下函数, 再创建一个 myjob.py 脚本 (script), 从 mylib.py 导入函数并尝试调用:



6. 把 mylib 模块转变为 软件包 (package) 安装进当前的 Conda 环境来使用

```
MINGW64:/c/Users/Administr ×
packages = ["src/mypkg"](week06)
Administrator@DESKTOP-K6SQLQ1 MINGW64 ~/repo/week06 (main)
$ ls -l
total 34
                                     124 4月 15 15:57 environment.yml
-rw-r--r-- 1 Administrator 197121
-rw-r--r-- 1 Administrator 197121 5362
-rw-r--r-- 1 Administrator 197121 18805
                                           4月 15 15:45 flow_controls.py
                                           4月 15 15:03 LICENSE
-rw-r--r-- 1 Administrator 197121
                                           4月 15 16:26 pyproject.toml.de
                                     273
-rw-r--r-- 1 Administrator 197121 2239 4月 15 15:03 README.md
drwxr-xr-x 1 Administrator 197121
                                       0 4月 15 16:08 scripts/
(week06)
Administrator@DESKTOP-K6SQLQ1 MINGW64 ~/repo/week06 (main)
$ pip install --editable .
Looking in indexes: https://mirrors.tuna.tsinghua.edu.cn/pypi/web/simpl
Obtaining file:///C:/Users/Administrator/repo/week06
                                                    does not appear to be
(week06)
Administrator@DESKTOP-K6SQLQ1 MINGW64 ~/repo/week06 (main)
$ mv pyproject.toml.del pyproject.toml
(week06)
Administrator@DESKTOP-K6SQLQ1 MINGW64 ~/repo/week06 (main)
$ ls -l
total 34
-rw-r--r-- 1 Administrator 197121
                                     124 4月 15 15:57 environment.yml
-rw-r--r-- 1 Administrator 197121
                                    5362 4月 15 15:45 flow_controls.py
-rw-r--r-- 1 Administrator 197121 18805
-rw-r--r-- 1 Administrator 197121 273
                                          4月 15 15:03 LICENSE
                                          4月
                                               15 16:26 pyproject.toml
-rw-r--r-- 1 Administrator 197121
                                     2239 4月 15 15:03 RÉADMÉ.md
drwxr-xr-x 1 Administrator 197121
                                          4月 15 16:08 scripts/
                                       0
(week06)
                                                            (A # •. .1. m w o
```

```
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                                        Q week06 [Administrator]
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      EXPLORER
                         pyproject.toml U X
                          pyproject.toml

✓ OPEN EDITORS

                               [project]
                               name = "mypackage"
version = "2025.4.14"
     ∨ WEEK06
                               dependencies = [
      > mypackage.egg-info
                                   "openpyxl",
                               authors = [ {name = "Ting", email = "2141619615@qq.com"},
        ∨ mypkg
B
        _init_.py
                               description = "测试一下"
        guessing_ga... U
        mylib.py
                               [project.optional-dependencies]
        > mypkg2
                               dev = \Gamma
       myjob.py
                                  "pytest",
      .gitignore
                          16
      flow_controls.py U
      R LICENSE

 README.md

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                                                                           16:43
     へ ( い) 藁 😏
>_
                                                                          2025/4/15
                                                                              Successfully built mypackage
Installing collected packages: mypackage
Successfully installed mypackage-2025.4.14
 (week06)
Administrator@DESKTOP-K6SQLQ1 MINGW64 ~/repo/week06 (main)
$ conda list
# packages in environment at D:\haozhiting\Anaconda3\envs\week06:
# Name
                             Version
                                                          Build
                                                                  Channel
                                                                    conda-forge
bzip2
                             1.0.8
                                                     h2466b09_7
ca-certificates
                             2025.1.31
                                                     h56e8100_0
                                                                    conda-forge
et-xmlfile
                             2.0.0
                                                                    pypi
                                                         pypi_0
                             2.7.0
 libexpat
                                                     he0c23c2_0
                                                                    conda-forge
                                                    h537db12_1
libffi
                             3.4.6
                                                                    conda-forge
liblzma
                             5.8.1
                                                     h2466b09_0
                                                                    conda-forge
                                                    h67fdade_2
libsqlite
                             3.49.1
                                                                    conda-forge
                                                    h2466b09_2
pypi_0
libzlib
                                                                    conda-forge
                             1.3.1
                             2025.4.14
mypackage
                                                                    pypi
                                                    pypi_0
ha4e3fda_0
openpyxl
                             3.1.5
                                                                    pypi
openssl
                             3.5.0
                                                                    conda-forge
                                                                    conda-forge
                             25.0.1
                                                  pyh8b19718_0
pip
                                               h3f84c4b_0_cpython
python
                             3.12.10
                                                                       conda-forge
                                                  pyhff2d567_0
setuptools
                             78.1.0
                                                                    conda-forge
tk
                             8.6.13
                                                     h5226925_1
                                                                    conda-forge
                                                    h78e105d_0
                             2025b
                                                                    conda-forge
tzdata
                                                                    conda-forge
conda-forge
                             10.0.22621.0
                                                    h57928b3_1
ucrt
                                                   h2b53caa_26
                             14.3
VC
vc14_runtime
                             14.42.34438
                                                   hfd919c2_26
                                                                    conda-forge
                                                  pyhff2d567_0
wat-inspector
                             0.4.3
                                                                    conda-forge
                                                                    conda-forge
                             0.45.1
wheel
                                                  pyhd8ed1ab_1
 (week06)
 Administrator@DESKTOP-K6SQLQ1 MINGW64 ~/repo/week06 (main)
```