金融编程与计算 week06 作业

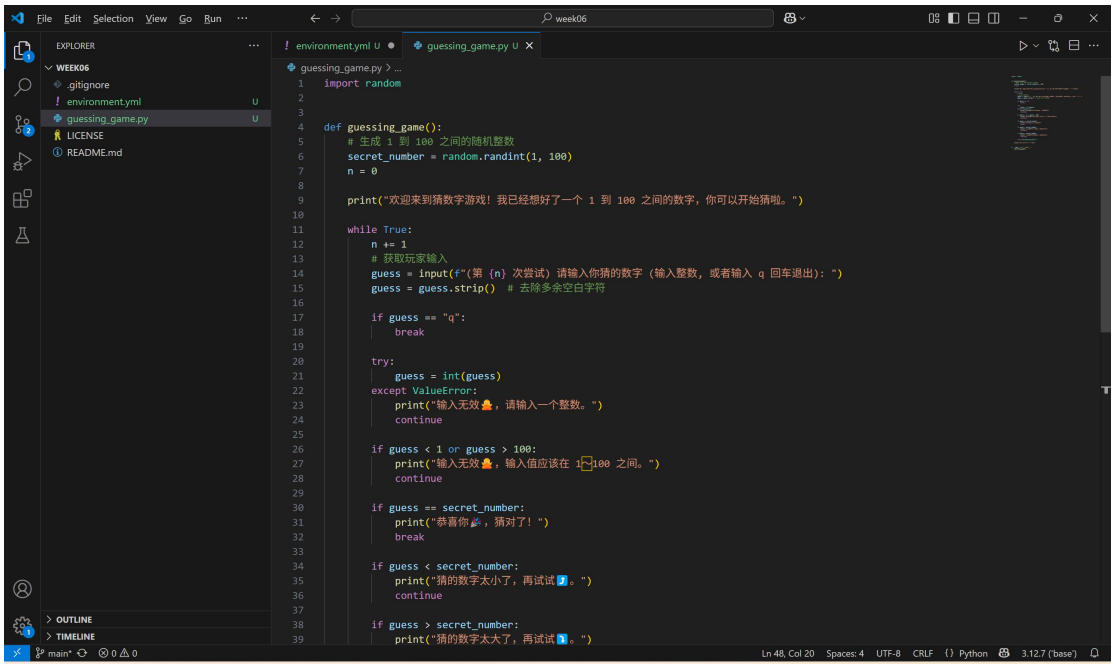
1、用 VS Code 打开项目目录，新建一个 environment.yml 文件，指定安装 Python 3.12，然后运行 conda env create 命令创建 Conda 环境

```
(base)
lenovo@LAPTOP-UDBV5M8K MINGW64 ~/repo/week06 (main)
$ ll
total 24
-rw-r--r-- 1 lenovo 197121 18805  4月 15 14:47 LICENSE
-rw-r--r-- 1 lenovo 197121  2239  4月 15 14:47 README.md
(base)
lenovo@LAPTOP-UDBV5M8K MINGW64 ~/repo/week06 (main)
$ cp ../week04/environment.yml ./
(base)
lenovo@LAPTOP-UDBV5M8K MINGW64 ~/repo/week06 (main)
$ ll
total 28
-rw-r--r-- 1 lenovo 197121  1866  4月 15 14:50 environment.yml
-rw-r--r-- 1 lenovo 197121 18805  4月 15 14:47 LICENSE
-rw-r--r-- 1 lenovo 197121  2239  4月 15 14:47 README.md
(base)
lenovo@LAPTOP-UDBV5M8K MINGW64 ~/repo/week06 (main)
$
```

```
(base)
lenovo@LAPTOP-UDBV5M8K MINGW64 ~/repo/week06 (main)
$ conda env create
C:\Users\lenovo\anaconda3\Lib\argparse.py:2006: FutureWarning: `remote_definition` is deprecated and will be removed in
25.9. Use `conda env create --file=URL` instead.
  action(self, namespace, argument_values, option_string)
Retrieving notices: ...working... done
Warning: you have pip-installed dependencies in your environment file, but you do not list pip itself as one of your con
da dependencies.  Conda may not use the correct pip to install your packages, and they may end up in the wrong place.  P
lease add an explicit pip dependency.  I'm adding one for you, but still nagging you.

CondaValueError: prefix already exists: C:\Users\lenovo\anaconda3\envs\prj1

(base)
lenovo@LAPTOP-UDBV5M8K MINGW64 ~/repo/week06 (main)
$
```

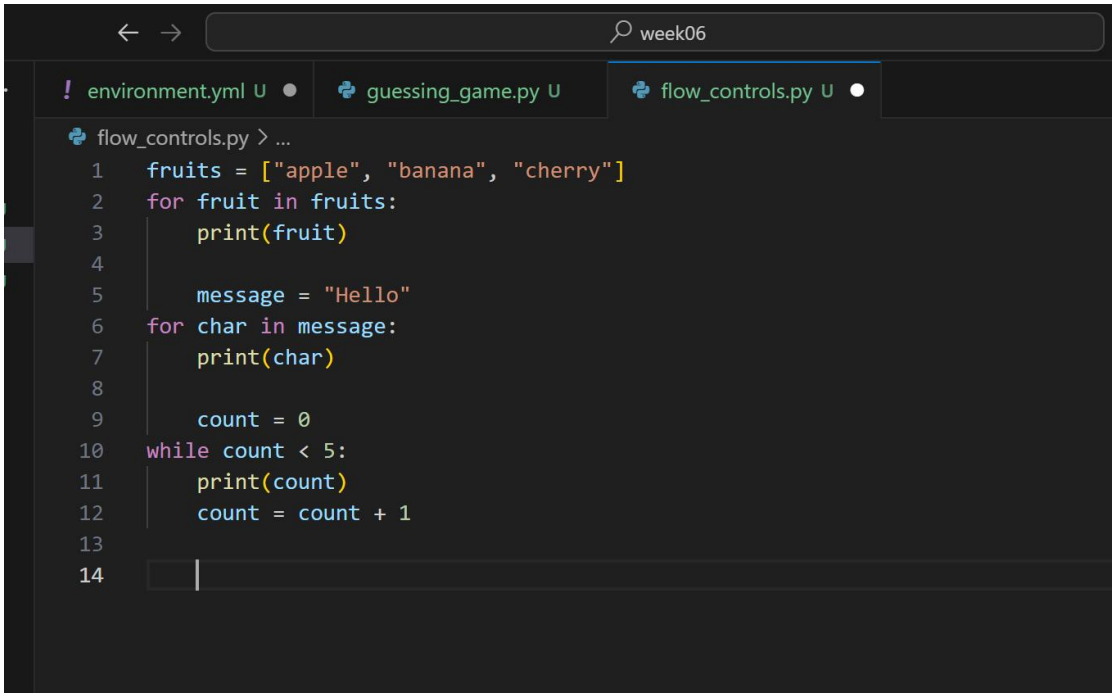
```
(base)
lenovo@LAPTOP-UDBV5M8K MINGW64 ~/repo/week06 (main)
$ conda activate week06

EnvironmentNameNotFound: Could not find conda environment: week06
You can list all discoverable environments with `conda info --envs`.


(base)
lenovo@LAPTOP-UDBV5M8K MINGW64 ~/repo/week06 (main)
$ conda list
# packages in environment at C:\Users\lenovo\anaconda3:
#
# Name                    Version                   Build  Channel
_anaconda_depends         2024.10            py312_mkl_0    defaults
aiobotocore               2.12.3          py312haa95532_0    defaults
aiohappyeyeballs          2.4.0           py312haa95532_0    defaults
```

2、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：



3、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



4、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：

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

把 myjob.py 脚本移动至 scripts/myjob.py，再次尝试运行，会发现 import mylib 失败，这是由于 mylib 并没有打包成 软件包 (package) 安装