

金融编程与计算 01 周笔记

1. 首先是下载 vs code

按照老师教学视频里的步骤进行下载，建议不添加桌面快捷，直接固定到任务栏就可以。（在不知道作业行驶的时候下载的，忘记截图了）；下载完毕进入 vs code 之后，建议将 welcome 的内容关掉，注册或者不注册都可以正常使用。

2. 安装 git，即代码版本管理软件

Download for Windows

[Click here to download](#) the latest (2.48.1) 64-bit version of Git for Windows. This is the most recent maintained build. It was released 21 days ago, on 2025-02-13.

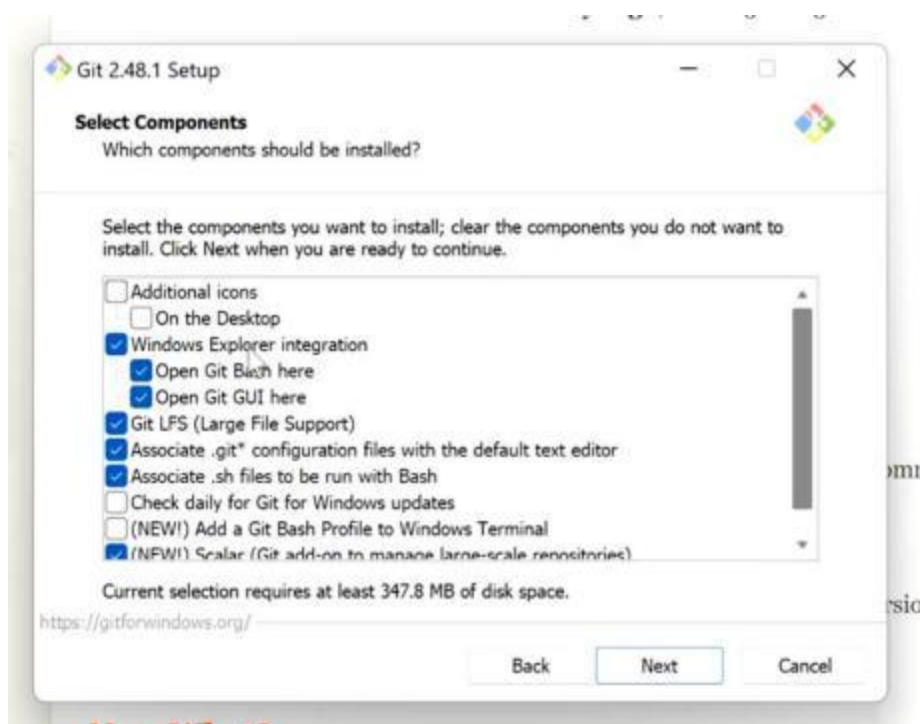
Other Git for Windows downloads

Standalone Installer

[32-bit Git for Windows Setup.](#)

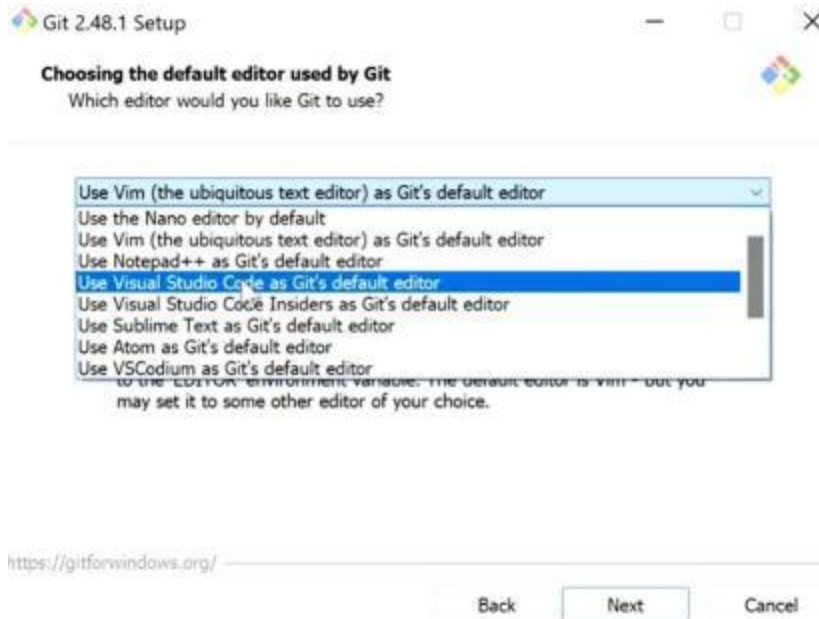
[64-bit Git for Windows Setup.](#)

建议选择 standalone installer 下面的 64-bit。开始下载。



在微软应用商店里安装 terminal 终端，我的已经下载好了。

然后勾选 add a git...terminal



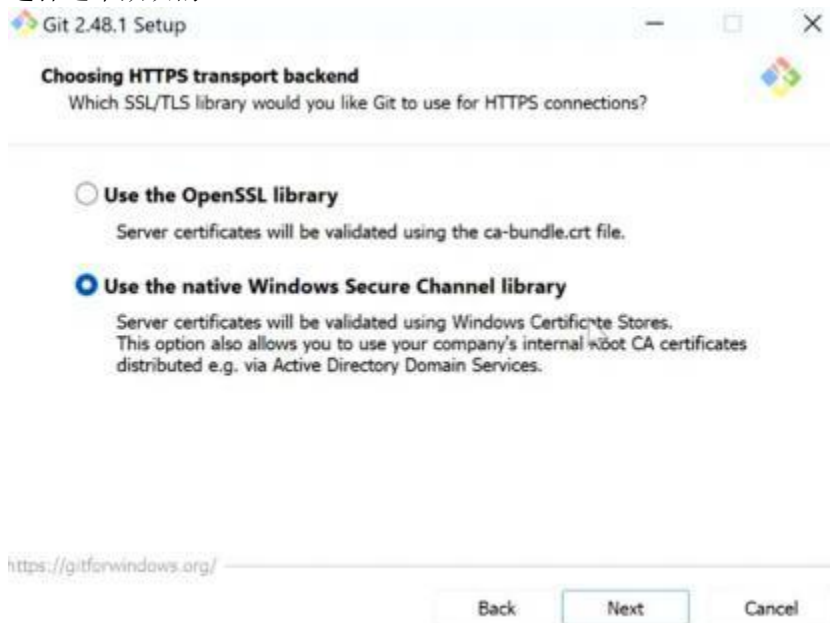
选择图上这个

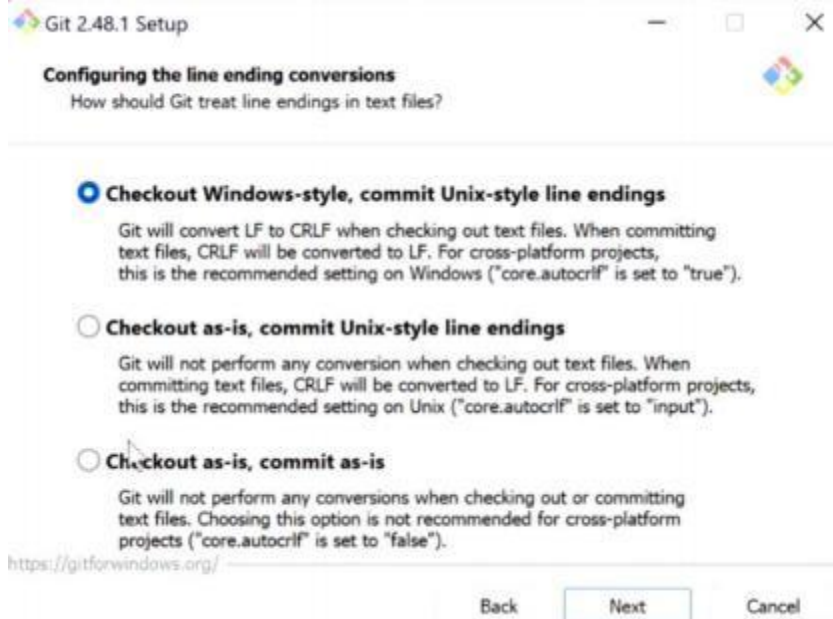


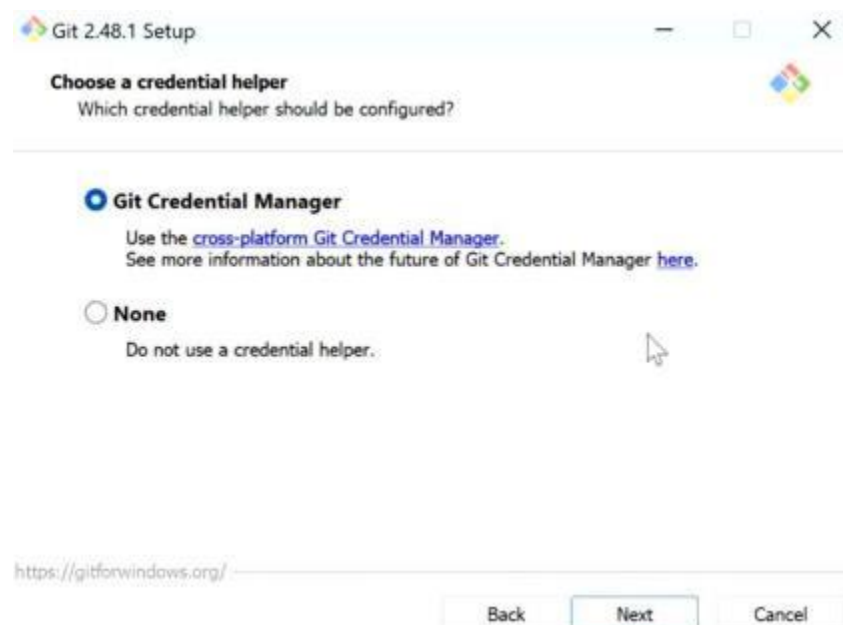
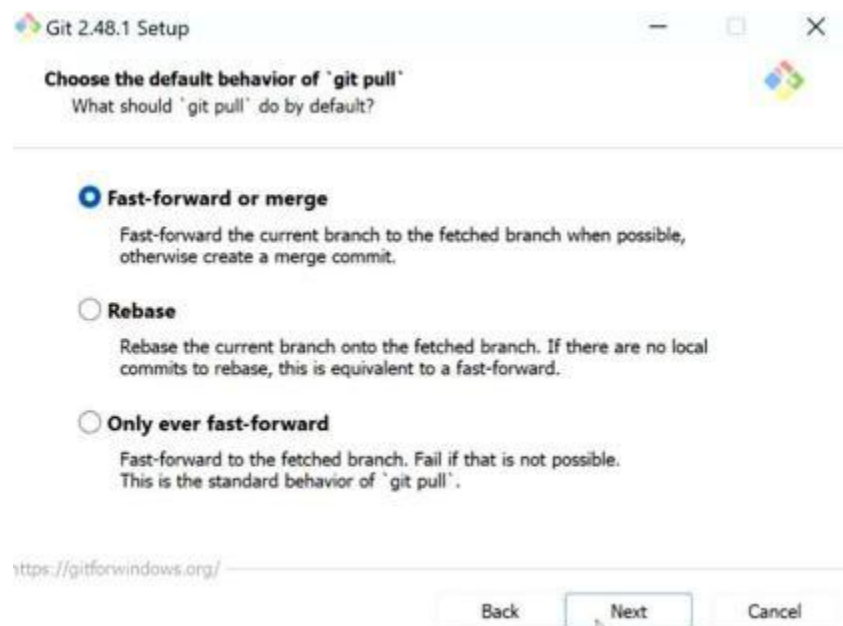
接着选择这个



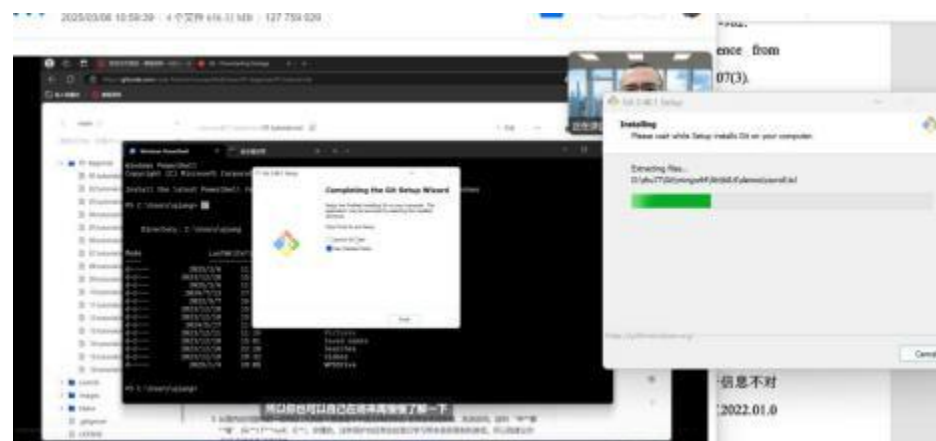
选择这个默认的



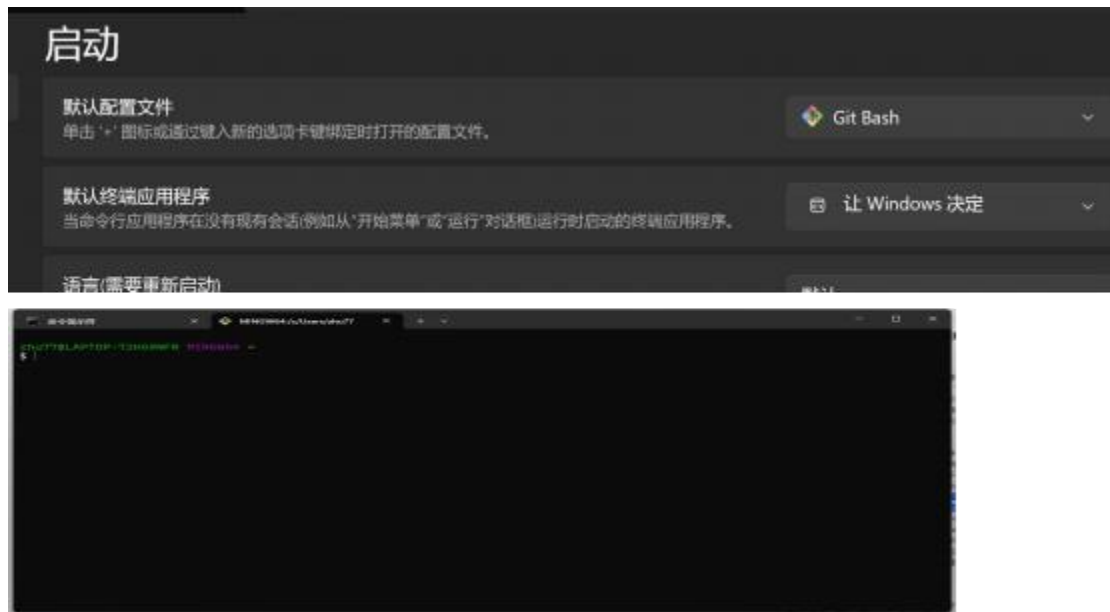




然后就下载



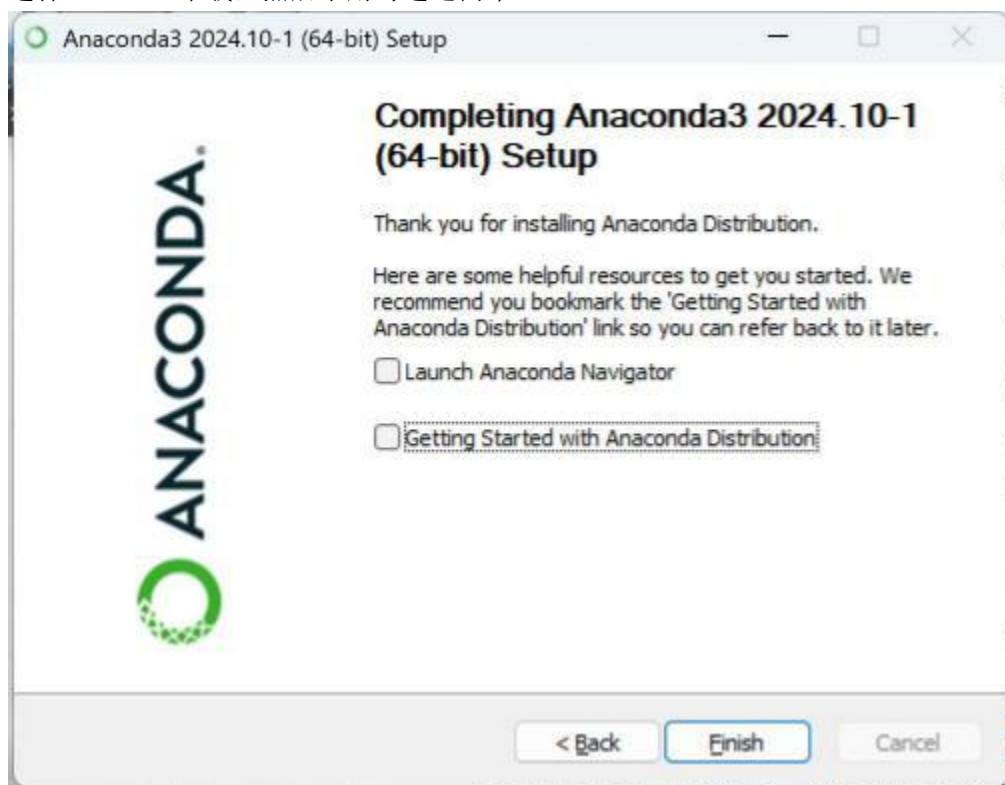
打开命令提示符之后，设置默认配置文件如下：



然后将光标改成“块状”，这样便于区分字符。
结束。

3. 下载 Anaconda

选择 windows 下载，然后不用勾选这两个



然后打开命令提示符，输入 conda，按回车


```
命令提示符 x MINGW64/c/Users/zhu77 x + v
zhu77@LAPTOP-72HG9NFN MINGW64 ~
$ conda
usage: conda-script.py [-h] [-v] [--no-plugins] [-V] COMMAND ...

conda is a tool for managing and deploying applications, environments and packages.

options:
  -h, --help            Show this help message and exit.
  -v, --verbose          Can be used multiple times. Once for detailed output, twice for INFO logging,
                        four times for TRACE logging.
  --no-plugins           Disable all plugins that are not built into conda.
  -V, --version          Show the conda version number and exit.

commands:
  The following built-in and plugins subcommands are available.

COMMAND
activate      Activate a conda environment.
build         Build conda packages from a conda recipe.
clean         Remove unused packages and caches.
commands      List all available conda subcommands (including those from plugins). Generate
              tab-completion.
compare       Compare packages between conda environments.
config        Modify configuration values in .condarc.
content-trust Signing and verification tools for Conda
convert       Convert pure Python packages to other platforms (a.k.a., subdirs).
create        Create a new conda environment from a list of specified packages.
deactivate    Deactivate the current active conda environment.
debug         Debug the build or test phases of conda recipes.
```

可以看到 conda 所在的路径

```
命令提示符 x MINGW64/c/Users/zhu77 x + v
token update (upgrade) See 'conda token --help'.
                        Update conda packages to the latest compatible version.

zhu77@LAPTOP-72HG9NFN MINGW64 ~
$ conda
bash: conda: command not found

zhu77@LAPTOP-72HG9NFN MINGW64 ~
$ which conda
/d/zhu77/Anaconda/Scripts/conda

zhu77@LAPTOP-72HG9NFN MINGW64 ~
$ echo $PATH
/c/Users/zhu77/bin:/mingw64/bin:/usr/local/bin:/usr/bin:/bin:/mingw64/bin:/usr/bin:/c/Users/zhu77/bin:/d/zhu77/python/Scripts:/d/zhu77/python:/c/Windows/system32:/c/Windows:/c/Windows/System32/Wbem:/c/Windows/System32/WindowsPowerShell/v1.0:/c/Windows/System32/OpenSSH:/d/bandizip:/d/zhu77/matlab2023a/runtime/win64:/d/zhu77/matlab2023a/bin:/cmd:/mingw64/bin:/usr/bin:/d/zhu77/Anaconda:/d/zhu77/Anaconda/Library/mingw-a64/bin:/d/zhu77/Anaconda/Library/usr/bin:/d/zhu77/Anaconda/Library/bin:/d/zhu77/Anaconda/Scripts:/c/Users/zhu77/AppData/Local/Microsoft/WindowsApps:/d/zhu77/Microsoft VS Code/bin:/usr/bin/vendor_perl:/usr/bin/core_perl

zhu77@LAPTOP-72HG9NFN MINGW64 ~
$ python
Python 3.13.0 (tags/v3.13.0:68483a5, Oct 7 2024, 09:38:87) [MSC v.1941 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> which python
File "python-input-8", line 1
    which python
    ^^^^^^
SyntaxError: invalid syntax
>>> exit()
```

而我输入 which python 之后报错了，问了豆包之后得知，windows 环境中要用 where python，which python 是 Linux 或 macOS 系统终端里用来查看 Python 命令路径的指令。我需要输入 exit () 退出 python 交互式环境。

```
命令提示符
MINGW64/c/Users/zhu77
/d/zhu77/Anaconda/Scripts/conda

zhu77@LAPTOP-72HG9NFN MINGW64 -
$ echo $PATH
/c/Users/zhu77/bin:/mingw64/bin:/usr/local/bin:/usr/bin:/bin:/mingw64/bin:/usr/bin:/c/Users/zhu77/bin:/d/zhu77/python/Scripts:/d/zhu77/python:/c/Windows/system32:/c/Windows:/c/Windows/System32/Wbem:/c/Windows/System32/WindowsPowerShell/v1.0:/c/Windows/System32/OpenSSH:/d/bandizip:/d/zhu77/matlab2023a/runtime/win64:/d/zhu77/matlab2023a/bin:/cmd:/mingw64/bin:/usr/bin:/d/zhu77/Anaconda:/d/zhu77/Anaconda/Library/mingw-w64/bin:/d/zhu77/Anaconda/Library/usr/bin:/d/zhu77/Anaconda/Library/bin:/d/zhu77/Anaconda/Scripts:/c/Users/zhu77/AppData/Local/Microsoft/WindowsApps:/d/zhu77/Microsoft VS Code/bin:/usr/bin/vendor_perl:/usr/bin/core_perl

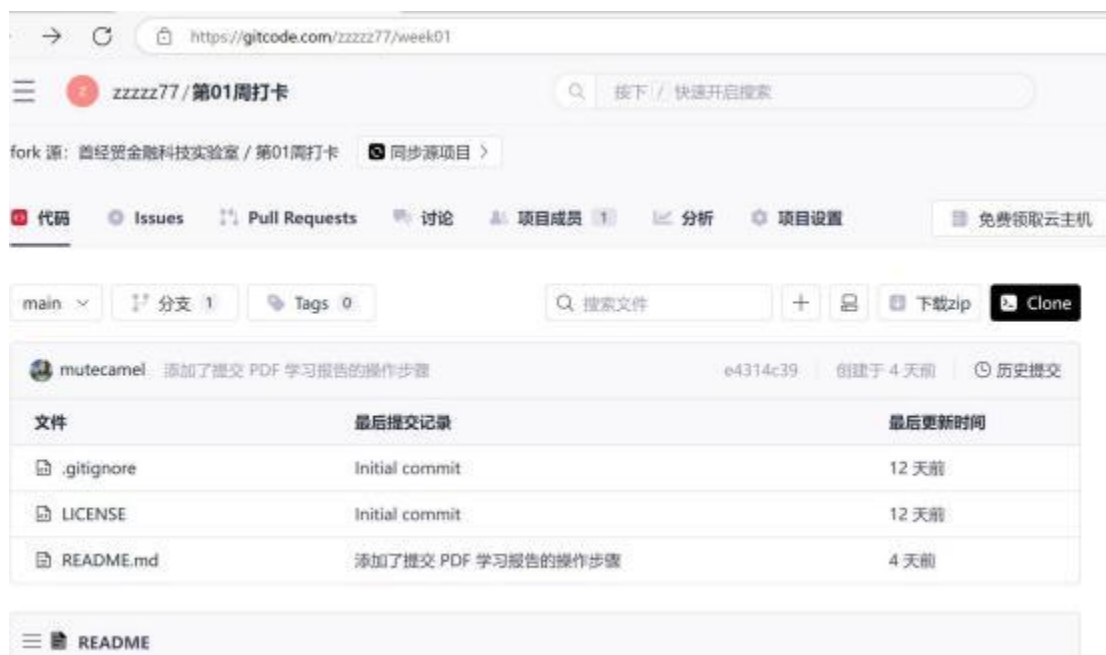
zhu77@LAPTOP-72HG9NFN MINGW64 -
$ python
Python 3.13.0 (tags/v3.13.0:60403a5, Oct 7 2024, 09:38:07) [MSC v.1941 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> which python
File "<python-input-0>", line 1
    which python
    ^^^^^^^
SyntaxError: invalid syntax
>>> exit()

zhu77@LAPTOP-72HG9NFN MINGW64 -
$ where python
D:\zhu77\python\python.exe
D:\zhu77\Anaconda\python.exe
C:\Users\zhu77\AppData\Local\Microsoft\WindowsApps\python.exe

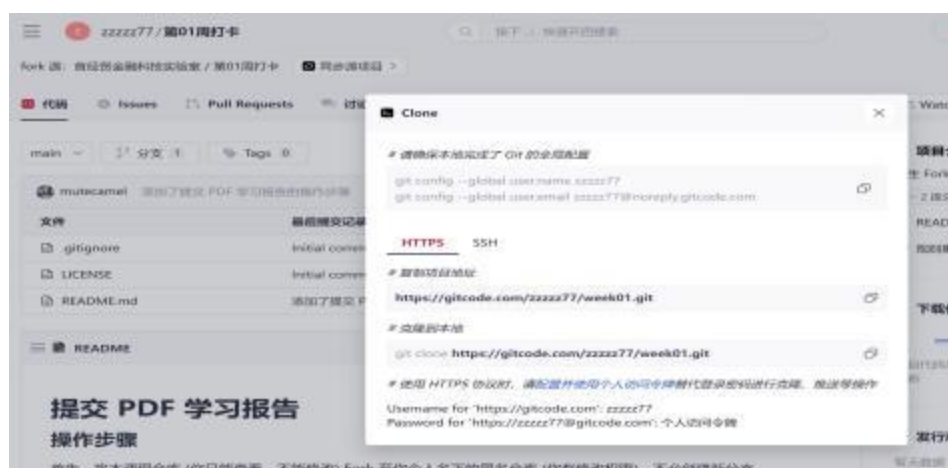
zhu77@LAPTOP-72HG9NFN MINGW64 -
$
```

以后使用 python，就直接打开 vs code，然后输入 python，回车，就可以了。

4. fork



按照老师给的步骤，点击 clone

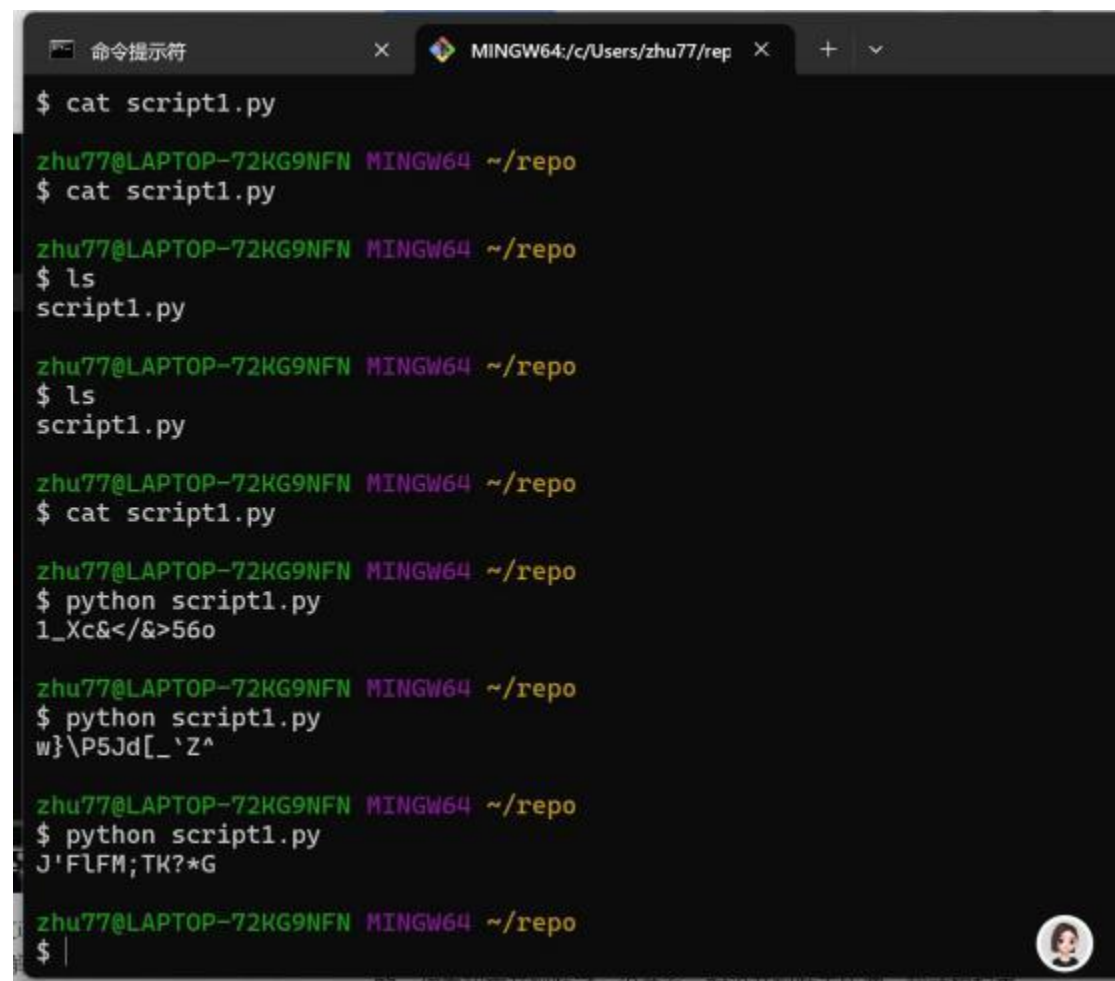


然后复制上面两行代码，打开 vs code，右击粘贴，回车。

接着查看全部配置，用下面的命令，注意：空格不能少，否则会报错。

```
zhu77@LAPTOP-72KG9NFN MINGW64 ~  
$ git config --list --global  
core.editor="D:\zhu77\Microsoft VS Code\bin\code" --wait  
user.name=zzzzz77  
user.email=zzzzz77@noreply.gitcode.com  
  
zhu77@LAPTOP-72KG9NFN MINGW64 ~  
$ |
```

用 python 生成随机密码：



The screenshot shows a Windows command prompt window with the title bar '命令提示符' and the path 'MINGW64:/c:/Users/zhu77/rep'. The window displays the following commands and their outputs:

```
$ cat script1.py  
  
zhu77@LAPTOP-72KG9NFN MINGW64 ~/repo  
$ cat script1.py  
  
zhu77@LAPTOP-72KG9NFN MINGW64 ~/repo  
$ ls  
script1.py  
  
zhu77@LAPTOP-72KG9NFN MINGW64 ~/repo  
$ ls  
script1.py  
  
zhu77@LAPTOP-72KG9NFN MINGW64 ~/repo  
$ cat script1.py  
  
zhu77@LAPTOP-72KG9NFN MINGW64 ~/repo  
$ python script1.py  
1_Xc&</&>56o  
  
zhu77@LAPTOP-72KG9NFN MINGW64 ~/repo  
$ python script1.py  
w}\P5Jd['_Z^  
  
zhu77@LAPTOP-72KG9NFN MINGW64 ~/repo  
$ python script1.py  
J'FLFM;TK?*G  
  
zhu77@LAPTOP-72KG9NFN MINGW64 ~/repo  
$ |
```