```
齐@LAPTOP-BO13PHJ7 MINGW64 ~
$ ssh-keygen -t ed25519 -C "1306918642@qq.com" -f "c:\users\齐\ssh\id_ed25519"
Generating public/private ed25519 key pair.
Enter passphrase for "c:\users\齐\ssh\id_ed25519" (empty for no passphrase):
Enter same passphrase again:
Saving key "c:\\users\\\351\275\220\\ssh\\id_ed25519" failed: No such file or directory

齐@LAPTOP-BO13PHJ7 MINGW64 ~
$  ssh-keygen -t ed25519 -C "1306918642@qq.com" -f "c:\users\齐\.ssh\id_ed25519"
Generating public/private ed25519 key pair.
Enter passphrase for "c:\users\齐\.ssh\id_ed25519" (empty for no passphrase):
Enter same passphrase again:
Saving key "c:\\users\\\351\275\220\\.ssh\\id_ed25519" failed: No such file or directory

齐@LAPTOP-BO13PHJ7 MINGW64 ~
$ New-Item -ItemType Directory -Force -Path "C:\Users\齐\.ssh"
ssh-keygen -t ed25519 -C "1306918642@qq.com" -f "C:\Users\齐\.ssh\id_ed25519"
bash: New-Item: command not found
Generating public/private ed25519 key pair.
Enter passphrase for "C:\Users\齐\.ssh\id_ed25519" (empty for no passphrase):
Enter same passphrase again:
Saving key "C:\\Users\\\351\275\220\\.ssh\\id_ed25519" failed: No such file or directory

齐@LAPTOP-BO13PHJ7 MINGW64 ~
$ $ ssh-keygen -t ed25519 -C "1306918642@qq.com" -f "c:\users\齐\.ssh\id_ed25519"
bash: $: command not found
```

默认路径 users 下为中文，系统视为特殊字符，无法创建.ssh

```
齐@LAPTOP-BO13PHJ7 MINGW64 ~
$ ssh-keygen -t ed25519 -C "1306918642@qq.com" -f "/d/daima/id_ed25519"
Generating public/private ed25519 key pair.
Enter passphrase for "/d/daima/id_ed25519" (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /d/daima/id_ed25519
Your public key has been saved in /d/daima/id_ed25519.pub
The key fingerprint is:
SHA256:Kjsbo/apIKaIDL6+UL4JeZsRQQjGxY9Cp6dB0OoZgGA 1306918642@qq.com
The key's randomart image is:
+--[ED25519 256]--+
|XE+.             |
|*=.o             |
|+.+ o            |
|.= + .           |
|. X     S        |
| B .    .        |
|B.+ + .          |
|@+.B.*           |
|=BXo=o           |
+----[SHA256]-----+
```

在 D 盘创建后，发现克隆到本地时公钥私钥出现问题，无法
在 C/USERS/齐/.SSH 读取，

```
齐@LAPTOP-BO13PHJ7 MINGW64 ~/repo
$  ssh-keygen -t ed25519 -C "1306918642@qq.com" -f "c:\users\齐\.ssh\id_ed25519"
Generating public/private ed25519 key pair.
Enter passphrase for "c:\users\齐\.ssh\id_ed25519" (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in c:\users\齐\.ssh\id_ed25519
Your public key has been saved in c:\users\齐\.ssh\id_ed25519.pub
The key fingerprint is:
SHA256:7o5lTJM+Fqu92+XSIPlWJe9NPzo7lwdzKDX1UQg97Pc 1306918642@qq.com
The key's randomart image is:
+--[ED25519 256]--+
|          .+ .o|
|           =..|
|          . oo|
|      .   . = o|
|     S.   = +.|
|    =o+. o = E|
|     Xo +.o *o|
|     O o+o.o.++|
|     o.*+...o* o|
+----[SHA256]-----+

齐@LAPTOP-BO13PHJ7 MINGW64 ~/repo
$  cat ~/.ssh/id_ed25519.pub
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIA+LrOpko4rUQs1nANcSe1622Q+PAaZyEw6LK7gb6rDr 1306918642@qq.com
```

自行在默认文件目录创建.ssh


```
齐@LAPTOP-BO13PHJ7 MINGW64 ~/repo
$ git clone git@gitcode.com:QI-PENG-YU/week01_9898.git
Cloning into 'week01_9898'...
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (7/7), done.
remote: Total 7 (delta 0), reused 7 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (7/7), 8.75 KiB | 2.92 MiB/s, done.

齐@LAPTOP-BO13PHJ7 MINGW64 ~/repo
$ ll
total 5
-rw-r--r-- 1 齐 197609 333  3月  9 16:53 script1.py
drwxr-xr-x 1 齐 197609   0  3月 12 15:36 week01_9898/

齐@LAPTOP-BO13PHJ7 MINGW64 ~/repo
$ code week01_9898/

齐@LAPTOP-BO13PHJ7 MINGW64 ~/repo
$
```
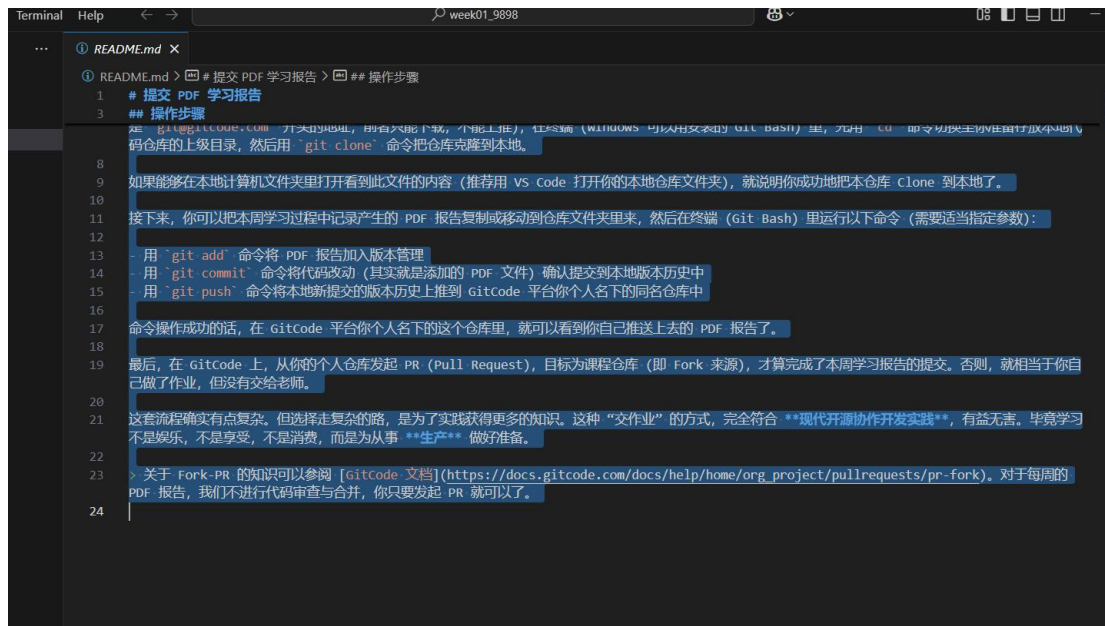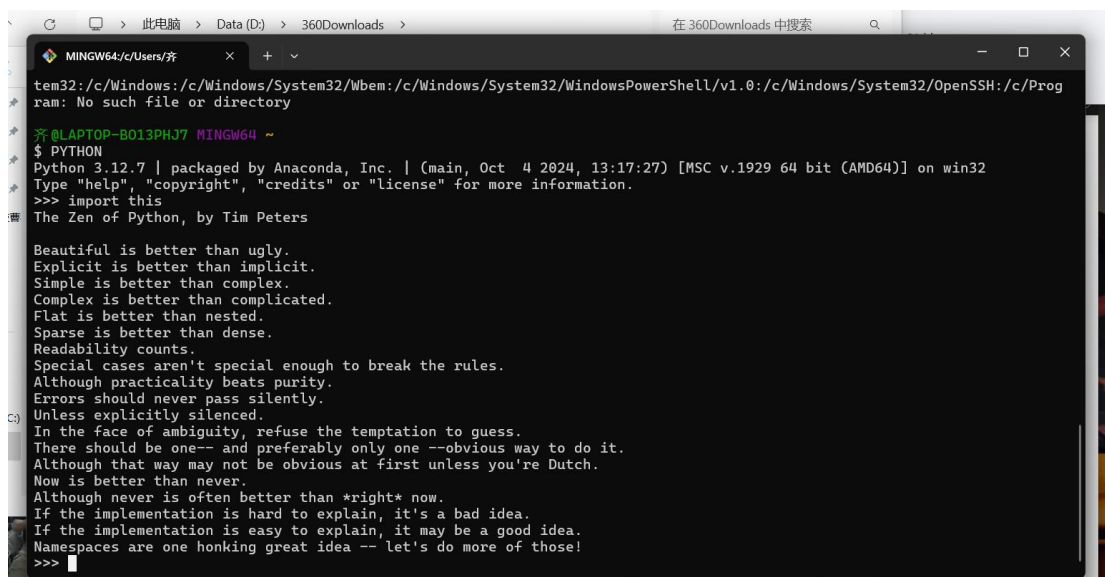
FORK 后成功克隆到本地

操作完成

各种小错误不胜枚举，感谢高老师所录课程及细心教导

```
$ ssh-keygen -t ed25519 -C "1306918642@qq.com" -f "/d/daima/id_ed25519"
Generating public/private ed25519 key pair.
Enter passphrase for "/d/daima/id_ed25519" (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /d/daima/id_ed25519
Your public key has been saved in /d/daima/id_ed25519.pub
The key fingerprint is:
SHA256:Kjsbo/apIKaIDL6+UL4JeZsRQQjGxY9Cp6dB0OoZgGA 1306918642@qq.com
The key's randomart image is:
+--[ED25519 256]--+
|XE+.             |
|*=.o             |
|+.+ o            |
|.= + .           |
|. X      S       |
| B .    .        |
|B.+ + .          |
|@+.B.*           |
|=BXo=o           |
+----[SHA256]-----+
```

齐@LAPTOP-BO13PHJ7 MINGW64 ~
```
$ ssh-keygen -t ed25519 -C "1306918642@qq.com" -f "c:\users\齐\ssh\id_ed25519"
Generating public/private ed25519 key pair.
Enter passphrase for "c:\users\齐\ssh\id_ed25519" (empty for no passphrase):
Enter same passphrase again:
Saving key "c:\\users\\\351\275\220\\ssh\\id_ed25519" failed: No such file or directory
```

齐@LAPTOP-BO13PHJ7 MINGW64 ~
```
$  ssh-keygen -t ed25519 -C "1306918642@qq.com" -f "c:\users\齐\.ssh\id_ed25519"
Generating public/private ed25519 key pair.
Enter passphrase for "c:\users\齐\.ssh\id_ed25519" (empty for no passphrase):
Enter same passphrase again:
Saving key "c:\\users\\\351\275\220\\.ssh\\id_ed25519" failed: No such file or directory
```

齐@LAPTOP-BO13PHJ7 MINGW64 ~
```
$ New-Item -ItemType Directory -Force -Path "C:\Users\齐\.ssh"
ssh-keygen -t ed25519 -C "1306918642@qq.com" -f "C:\Users\齐\.ssh\id_ed25519"
bash: New-Item: command not found
Generating public/private ed25519 key pair.
Enter passphrase for "C:\Users\齐\.ssh\id_ed25519" (empty for no passphrase):
Enter same passphrase again:
Saving key "C:\\Users\\\351\275\220\\.ssh\\id_ed25519" failed: No such file or directory
```

齐@LAPTOP-BO13PHJ7 MINGW64 ~
```
$ $ ssh-keygen -t ed25519 -C "1306918642@qq.com" -f "c:\users\齐\.ssh\id_ed25519"
bash: $: command not found
```

EXPLORER

WEEK01_9898
- .gitignore
- LICENSE
- README.md

README.md

README.md > # 提交 PDF 学习报告

```
1  # 提交 PDF 学习报告
2
3  ## 操作步骤
4
5  首先，将课程仓库 (你只能查看，不能修改) Fork 至你个人名下的同名仓库 (你有修改权限)，不必创建新分支。
6
7  然后，点击你个人仓库 "代码" 页面右上方的 `Clone` 按钮，复制你个人名下同名仓库的 SSH 地址 (注意，不是 `https://gitcode.com` 开头的地址，而是 `git@gitcode.com` 开头的地址；前者只能下载，不能上推)，在终端 (Windows 可以用安装的 Git Bash) 里，先用 `cd` 命令切换至你准备存放本地代码仓库的上级目录，然后用 `git clone` 命令把仓库克隆到本地。
8
9  如果能够在本地计算机文件夹里打开看到此文件的内容 (推荐用 VS Code 打开你的本地仓库文件夹)，就说明你成功地把本仓库 Clone 到本地了。
10
11  接下来，你可以把本周学习过程中记录产生的 PDF 报告复制或移动到仓库文件夹里来，然后在终端 (Git Bash) 里运行以下命令 (需要适当指定参数)：
12
13  - 用 `git add` 命令将 PDF 报告加入版本管理
14  - 用 `git commit` 命令将代码改动 (其实就是添加的 PDF 文件) 确认提交到本地版本历史中
15  - 用 `git push` 命令将本地新提交的版本历史上推到 GitCode 平台你个人名下的同名仓库中
16
17  命令操作成功的话，在 Gitcode 平台你个人名下的这个仓库里，就可以看到你自己推送上去的 PDF 报告了。
18
19  最后，在 GitCode 上，从你的个人仓库发起 PR (Pull Request)，目标为课程仓库 (即 Fork 来源)，才算完成了本周学习报告的提交。否则，就相当于你自己做作业，但没有交给老师。
20
21  这套流程确实有点复杂。但选择走复杂的路，是为了实践获得更多的知识。这种 "交作业" 的方式，完全符合 **现代开源协作开发实践**，有益无害。毕竟学习不是娱乐，不是享受，不是消费，而是为从事 **生产** 做准备。
22
23  > 关于 Fork-PR 的知识可以参阅 [GitCode 文档](https://docs.gitcode.com/docs/help/home/org_project/pullrequests/pr-fork)。对于每周的 PDF 报告，我们不进行代码审查与合并，你只要发起 PR 就可以了。
24
```

```
Enter file in which to save the key (/c/Users/□□/.ssh/id_ed25519): D/daima
Enter passphrase for "D/daima" (empty for no passphrase):
Enter same passphrase again:
Saving key "D/daima" failed: No such file or directory

齐@LAPTOP-BO13PHJ7 MINGW64 ~
$ ssh-keygen -t ed25519 -C "1306918642@qq.com" -f "/d/daima/id_ed25519"
Generating public/private ed25519 key pair.
Enter passphrase for "/d/daima/id_ed25519" (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /d/daima/id_ed25519
Your public key has been saved in /d/daima/id_ed25519.pub
The key fingerprint is:
SHA256:Kjsbo/apIKaIDL6+UL4JeZsRQQjGxY9Cp6dB0OoZgGA 1306918642@qq.com
The key's randomart image is:
+--[ED25519 256]--+
|XE+.             |
|*=.o             |
|+.+ o            |
|.= + .           |
|. X       S      |
| B .    .        |
|B.+ + .          |
|@+.B.*           |
|=BXo=o           |
+----[SHA256]-----+

齐@LAPTOP-BO13PHJ7 MINGW64 ~
$
```

```
$ cat  id_ed25519.pub
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIPaCWEK6V9ZKyU7YdPJDfWeJP/ZK2bhf/Ua0HDhiRLMg 1306918642@qq.com

齐@LAPTOP-BO13PHJ7 MINGW64 ~/.ssh
$ ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIPaCWEK6V9ZKyU7YdPJDfWeJP/ZK2bhf/Ua0HDhiRLMg 1306918642@qq.com
bash: ssh-ed25519: command not found

齐@LAPTOP-BO13PHJ7 MINGW64 ~/.ssh
$ ssh -T git@gitcode.com
The authenticity of host 'gitcode.com (116.205.2.91)' can't be established.
RSA key fingerprint is SHA256:aTlsy+4ARMC7nWyy5eKIqUkotk8yv7Jd+XXoP4EXj1Y.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])?

ssh -Tv git@gitcode.com
```

使用非默认路径的 SSH 密钥

```
齐@LAPTOP-BO13PHJ7 MINGW64 ~/.ssh
$ ls
id_ed25519  id_ed25519.pub

齐@LAPTOP-BO13PHJ7 MINGW64 ~/.ssh
$ cat  id_ed25519.pub
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIPaCWEK6V9ZKyU7YdPJDfWeJP/ZK2bhf/Ua0HDhiRLMg 1306918642@qq.com

齐@LAPTOP-BO13PHJ7 MINGW64 ~/.ssh
$
```

```
mkdir -p ~/ssh_keys

# 设置编码为 UTF-8
export LC_ALL=en_US.UTF-8
export LANG=en_US.UTF-8

# 重新生成 SSH 密钥并指定保存路径
ssh-keygen -t ed25519 -C "1306918642@qq.com" -f ~/ssh_keys/id_ed25519
Generating public/private ed25519 key pair.
Enter passphrase for "/c/Users/齐/ssh_keys/id_ed25519" (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/齐/ssh_keys/id_ed25519
Your public key has been saved in /c/Users/齐/ssh_keys/id_ed25519.pub
The key fingerprint is:
SHA256:KrpFe+RjV88qkbYjpuQ18XQa04Zilrdgb/+XfnXB008 1306918642@qq.com
The key's randomart image is:
+--[ED25519 256]--+
|                 |
|                 |
|              . .|
|       . o    +E|
|      . X S.=   .+|
|     . B X+O o   +|
|      = O.Bo  o  .o|
|      = =o=+. .  o .|
|     o.oo . oo..o.. |
+----[SHA256]-----+

齐@LAPTOP-BO13PHJ7 MINGW64 ~
$
```

```
$ PYTHON script1.py
D:\360se6\YOUKU\PYTHON.exe: can't open file 'C:\\Users\\齐\\script1.py': [Errno 2] No such file or directory

齐@LAPTOP-BO13PHJ7 MINGW64 ~
$ ls
 「开始」菜单@            ntuser.dat.LOG2
 ansel/                   NTUSER.DAT{cb7c7b5d-2fa5-11ee-af67-fbb11f912c52}.TM.blf
 AppData/                 NTUSER.DAT{cb7c7b5d-2fa5-11ee-af67-fbb11f912c52}.TMContainer00000000000000000001.regtran
'Application Data'@       NTUSER.DAT{cb7c7b5d-2fa5-11ee-af67-fbb11f912c52}.TMContainer00000000000000000002.regtran
 Contacts/                ntuser.ini
 Cookies@                 OneDrive/
 Desktop/                 PCManger/
 Documents/               Pictures/
 Downloads/               PrintHood@
 Favorites/               Recent@
 IntelGraphicsProfiles/   reop/
 Links/                  'Saved Games'/
'Local Settings'@         Searches/
 Music/                   SendTo@
'My Documents'@           Templates@
 NetHood@                 Videos/
 NTUSER.DAT              'WPS Cloud Files'/
 ntuser.dat.LOG1          WPSDrive/

齐@LAPTOP-BO13PHJ7 MINGW64 ~
$ python reop//script1.py
斐波那契数列: [0, 1, 1, 2, 3, 5, 8, 13, 21, 34]

齐@LAPTOP-BO13PHJ7 MINGW64 ~
$
```

∨ 齐
> .anaconda
> .android
> .conda
> .continuum
> .emgm3
> .ipython
> .Ld9VirtualBox
> .ollama
> .vscode
> 「开始」菜单
> ansel
> AppData
> Application Data
> Contacts
> Cookies
> Desktop
> Documents
> Downloads
> Favorites
> IntelGraphicsProfiles
> Links
> Local Settings
> Music
> My Documents
> NetHood
> OneDrive
> PCManger
> Pictures
> PrintHood
> Recent

OUTLINE
TIMELINE

Restricted Mode

Do you trust the authors of the files in this folder?

Code provides features that may automatically execute files in this folder.

If you don't trust the authors of these files, we recommend to continue in restricted mode as the files may be malicious. See our docs to learn more.

C:\Users\齐

☐ Trust the authors of all files in the parent folder 'Users'

Yes, I trust the authors	No, I don't trust the authors
Trust folder and enable all features	Browse folder in restricted mode

Start Debugging   F5