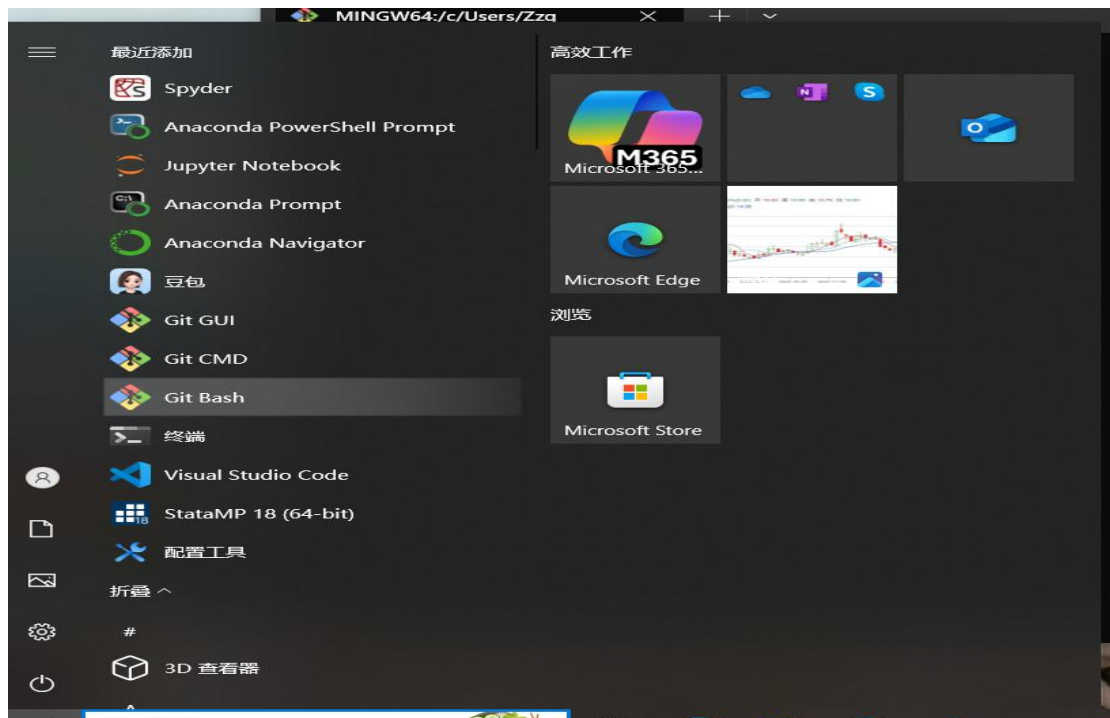
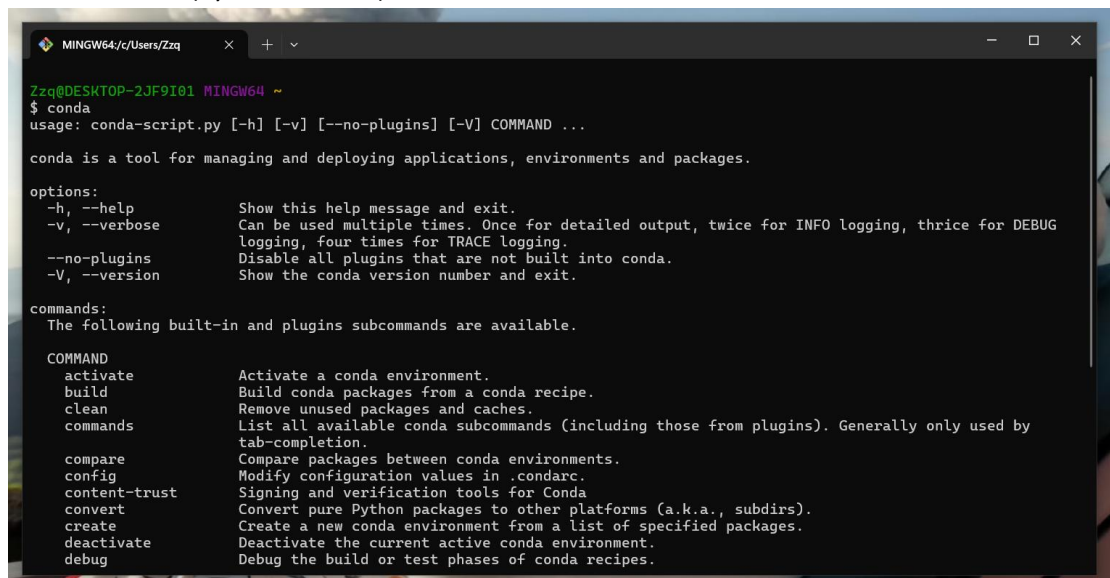


第一周学习报告



安装 Anaconda (Python 解释器)



```
search          Search for packages and display associated information using the MatchSpec format.
server          See 'conda server --help'.
skeleton        Generate boilerplate conda recipes.
token          See 'conda token --help'.
update (upgrade) Update conda packages to the latest compatible version.

Zzq@DESKTOP-2JF9I01 MINGW64 ~
$ which conda
/c/Users/Zzq/anaconda3/Scripts/conda

Zzq@DESKTOP-2JF9I01 MINGW64 ~
$ echo $PATH
/c/Users/Zzq/bin:/mingw64/bin:/usr/local/bin:/usr/bin:/bin:/mingw64/bin:/usr/bin:/c/Users/Zzq/bin:/c/Windows/system32:/c/Windows:/c/Windows/System32/Wbem:/c/Windows/System32/WindowsPowerShell/v1.0:/c/Windows/System32/OpenSSH:/cmd:/mingw64/bin:/usr/bin:/c/Users/Zzq/anaconda3:/c/Users/Zzq/anaconda3/Library/mingw-w64/bin:/c/Users/Zzq/anaconda3/Library/usr/bin:/c/Users/Zzq/anaconda3/Library/bin:/c/Users/Zzq/anaconda3/Scripts:/c/Users/Zzq/AppData/Local/Microsoft/WindowsApps:/c/Windows.NET.Client/WindNET/bin:/c/Wind/Wind.NET.Client/WindNET/x64:/c/Users/Zzq/AppData/Local/Programs/Microsoft VS Code/bin:/usr/bin/vendor_perl:/usr/bin/core_perl

Zzq@DESKTOP-2JF9I01 MINGW64 ~
$ python
Python 3.12.7 | packaged by Anaconda, Inc. | (main, Oct 4 2024, 13:17:27) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.

>>> quit()

Zzq@DESKTOP-2JF9I01 MINGW64 ~
$ which python
/c/Users/Zzq/anaconda3/python

Zzq@DESKTOP-2JF9I01 MINGW64 ~
$
```

```
MINGW64:/c/Users/Zzq  x  +  v

Zzq@DESKTOP-2JF9I01 MINGW64 ~
$ python
Python 3.12.7 | packaged by Anaconda, Inc. | (main, Oct 4 2024, 13:17:27) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> quit()

Zzq@DESKTOP-2JF9I01 MINGW64 ~
$ ipython
Python 3.12.7 | packaged by Anaconda, Inc. | (main, Oct 4 2024, 13:17:27) [MSC v.1929 64 bit (AMD64)]
Type 'copyright', 'credits' or 'license' for more information
IPython 8.27.0 -- An enhanced Interactive Python. Type '?' for help.

In [1]: print('hello')
hello

In [2]:
Do you really want to exit ([y]/n)? y

Zzq@DESKTOP-2JF9I01 MINGW64 ~
$ python
Python 3.12.7 | packaged by Anaconda, Inc. | (main, Oct 4 2024, 13:17:27) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> print('hello')
hello
>>>
```

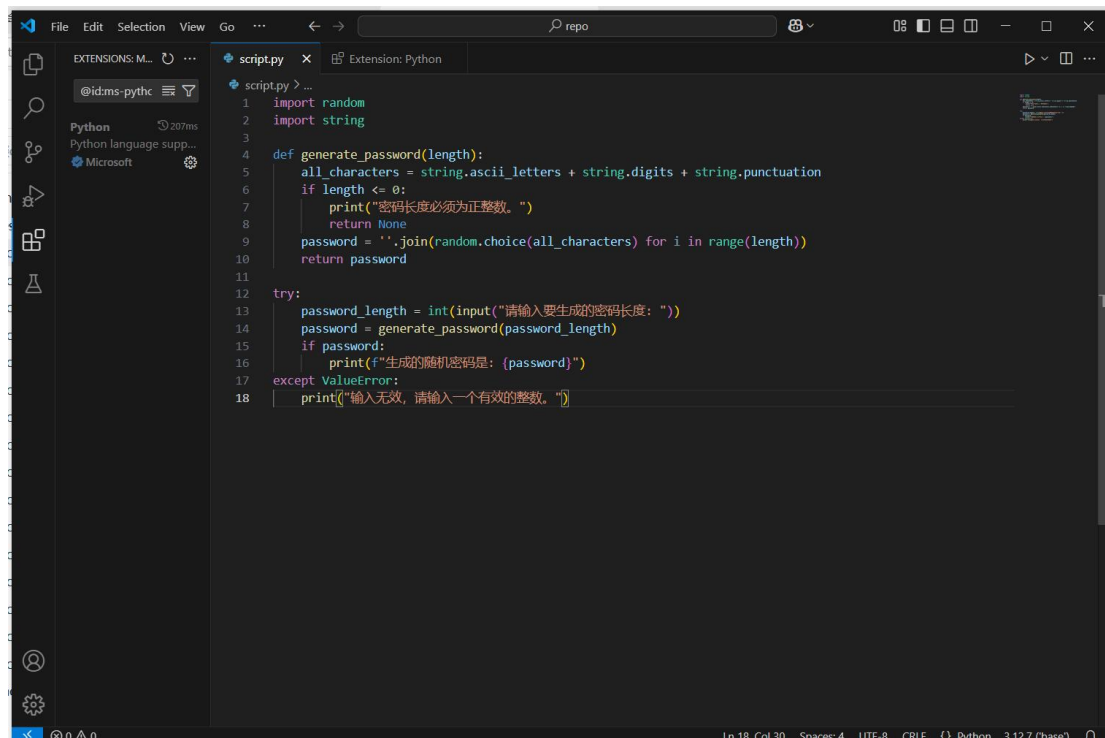
```
MINGW64:/c/Users/Zzq/repo  x  +  v

Zzq@DESKTOP-2JF9I01 MINGW64 ~
$ pwd
/c/Users/Zzq

Zzq@DESKTOP-2JF9I01 MINGW64 ~
$ mkdir repo

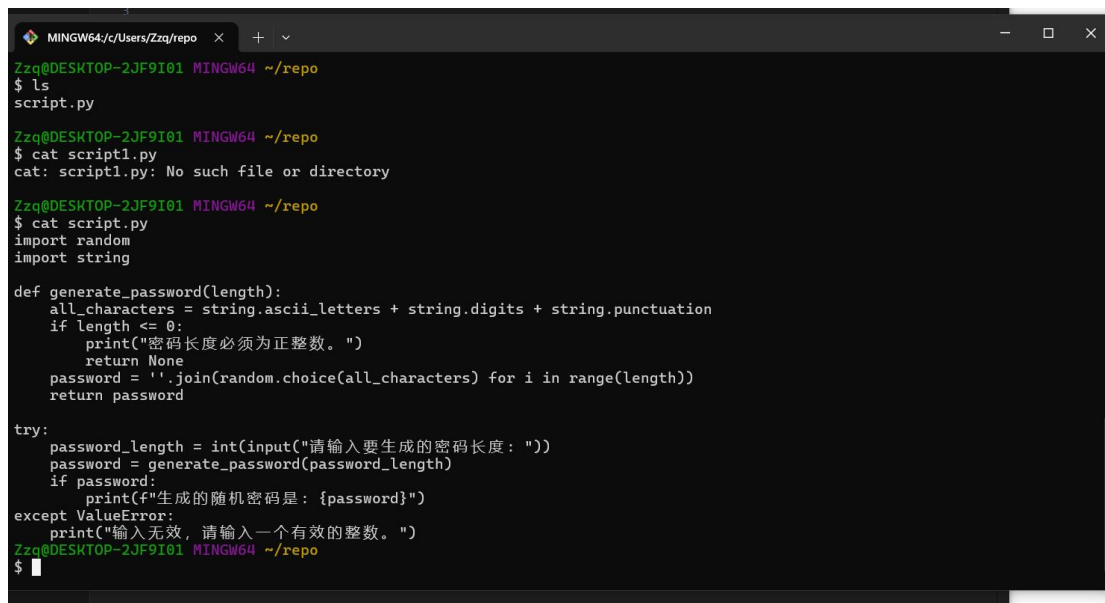
Zzq@DESKTOP-2JF9I01 MINGW64 ~
$ ls
[开始] 菜单@          ntuser.dat.LOG2
'3D Objects'/'        anaconda3/'          NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TM.blf
AppData/'            anaconda3/'          NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TMContainer000000000000000001.regtrans-ms
'Application Data'@  AppData/'            anaconda3/'          NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TMContainer000000000000000002.regtrans-ms
Contacts/'          Contacts/'          OneDrive/
Cookies@           Cookies@           Pictures/
Desktop/           Desktop/           PrintHood@
Documents/         Documents/         Recent@
Downloads/         Downloads/         repo/
Favorites/         Favorites/         'Saved Games'/
Links/             Links/             Searches/
'Local Settings'@  'Local Settings'@  SendTo@
Music/             Music/             Templates@
'My Documents'@    'My Documents'@    Videos/
NetHood@           NetHood@           'WPS Cloud Files'/
NTUSER.DAT         NTUSER.DAT         WPSDrive/
ntuser.dat.LOG1

Zzq@DESKTOP-2JF9I01 MINGW64 ~
$ cd repo
```



Visual Studio Code editor showing a Python script named `script.py`. The script defines a `generate_password` function and a `try` block for user input.

```
1 import random
2 import string
3
4 def generate_password(length):
5     all_characters = string.ascii_letters + string.digits + string.punctuation
6     if length <= 0:
7         print("密码长度必须为正整数。")
8         return None
9     password = ''.join(random.choice(all_characters) for i in range(length))
10    return password
11
12 try:
13    password_length = int(input("请输入要生成的密码长度: "))
14    password = generate_password(password_length)
15    if password:
16        print(f"生成的随机密码是: {password}")
17 except ValueError:
18    print("输入无效, 请输入一个有效的整数。")
```



Terminal window showing the execution of the script in a MINGW64 environment.

```
MINGW64~/repo
Zzq@DESKTOP-2JF9I01 MINGW64 ~/repo
$ ls
script.py
$ cat script1.py
cat: script1.py: No such file or directory
$ cat script.py
import random
import string

def generate_password(length):
    all_characters = string.ascii_letters + string.digits + string.punctuation
    if length <= 0:
        print("密码长度必须为正整数。")
        return None
    password = ''.join(random.choice(all_characters) for i in range(length))
    return password

try:
    password_length = int(input("请输入要生成的密码长度: "))
    password = generate_password(password_length)
    if password:
        print(f"生成的随机密码是: {password}")
except ValueError:
    print("输入无效, 请输入一个有效的整数。")
Zzq@DESKTOP-2JF9I01 MINGW64 ~/repo
$
```

```
MINGW64/c/Users/Zzq/repo x + v
try:
    password_length = int(input("请输入要生成的密码长度: "))
    password = generate_password(password_length)
    if password:
        print(f"生成的随机密码是: {password}")
except ValueError:
    print("输入无效, 请输入一个有效的整数。")
Zzq@DESKTOP-2JF9I01 MINGW64 ~/repo
$ python script.py
请输入要生成的密码长度: 12
生成的随机密码是: XVX`U:AcvSN}

Zzq@DESKTOP-2JF9I01 MINGW64 ~/repo
$

Zzq@DESKTOP-2JF9I01 MINGW64 ~/repo
$

Zzq@DESKTOP-2JF9I01 MINGW64 ~/repo
$ python script.py
请输入要生成的密码长度: 11
生成的随机密码是: !Q5N%`r.7+R

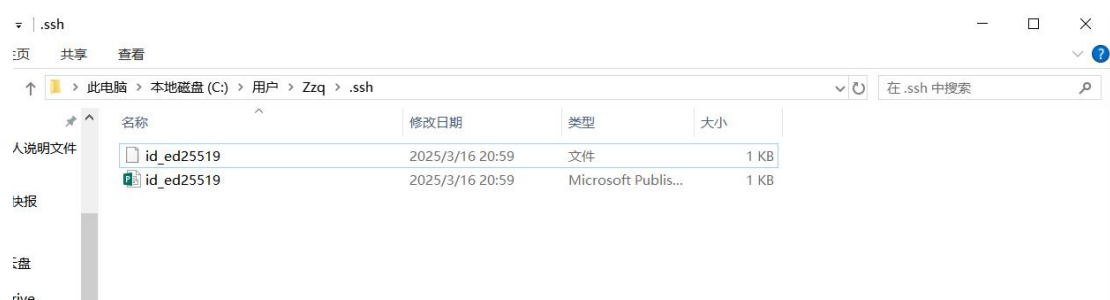
Zzq@DESKTOP-2JF9I01 MINGW64 ~/repo
$ python script.py
请输入要生成的密码长度: 6
生成的随机密码是: w}u~w_

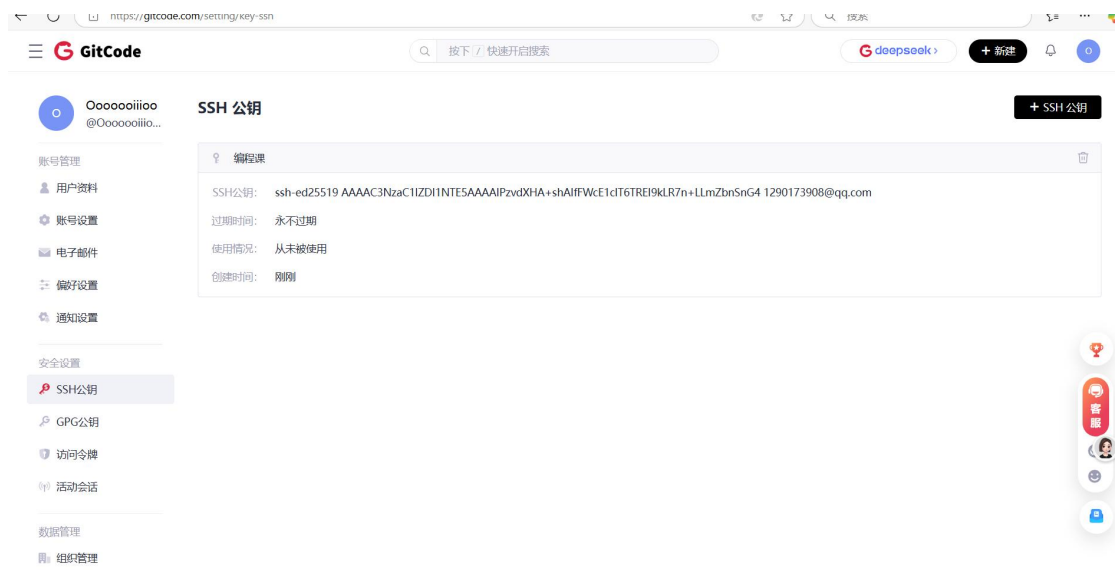
Zzq@DESKTOP-2JF9I01 MINGW64 ~/repo
$
```

生成自己设备的 SSH 密钥 (公钥-私钥对), 将公钥添加到自己的 [GitCode](#) 安全设置里

```
MINGW64/c/Users/Zzq x + v
Zzq@DESKTOP-2JF9I01 MINGW64 ~
$ ssh-keygen -t ed25519 -C "1290173908@qq.com"
Generating public/private ed25519 key pair.
Enter file in which to save the key (/c/Users/Zzq/.ssh/id_ed25519):
Created directory '/c/Users/Zzq/.ssh'.
Enter passphrase for '/c/Users/Zzq/.ssh/id_ed25519' (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/Zzq/.ssh/id_ed25519
Your public key has been saved in /c/Users/Zzq/.ssh/id_ed25519.pub
The key fingerprint is:
SHA256:Z332HE2+TUYBBUusVLXznSnIY2Ed0FymXVl1LTmZJ0E 1290173908@qq.com
The key's randomart image is:
+--[ED25519 256]--+
|
|..o*oE00|
|o=Bo% 0|
|..o+ 0+|
|o.o. .+|
|S + . o.=|
|o o =+|
|..+|
+-----[SHA256]-----+

Zzq@DESKTOP-2JF9I01 MINGW64 ~
$
```





```
Zzq@DESKTOP-2JF9I01 MINGW64 ~  
$ cd  
  
Zzq@DESKTOP-2JF9I01 MINGW64 ~  
$ pwd  
/c/Users/Zzq  
  
Zzq@DESKTOP-2JF9I01 MINGW64 ~  
$ cd .ssh  
  
Zzq@DESKTOP-2JF9I01 MINGW64 ~/.ssh  
$ ls  
id_ed25519 id_ed25519.pub  
  
Zzq@DESKTOP-2JF9I01 MINGW64 ~/.ssh  
$ cat id_ed25519.pub  
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIPzvdXHA+shAIffWcE1cLT6TREI9kLR7n+LLmZbnSnG4 1290173908@qq.com
```

```
Zzq@DESKTOP-2JF9I01 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+4ARMC7nWyy5eKiQkUkotk8yv7Jd+XXoP4EXj1Y.  
This key is not known by any other names.  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
Warning: Permanently added 'gitcode.com' (RSA) to the list of known hosts.  
remote: Welcome to GitCode, Ooooooiiioooooooo  
  
Zzq@DESKTOP-2JF9I01 MINGW64 ~/.ssh  
$ ssh -T git@gitcode.com  
remote: Welcome to GitCode, Ooooooiiioooooooo  
  
Zzq@DESKTOP-2JF9I01 MINGW64 ~/.ssh  
$
```

```
Zzq@DESKTOP-2JF9I01 MINGW64 ~/.ssh  
$ ssh -T git@gitcode.com  
remote: Welcome to GitCode, Ooooooiiioooooooo  
  
Zzq@DESKTOP-2JF9I01 MINGW64 ~/.ssh  
$ git config --global user.name Ooooooiiioooooooo  
git config --global user.email Ooooooiiioooooooo@noreply.gitcode.com  
  
Zzq@DESKTOP-2JF9I01 MINGW64 ~/.ssh  
$  
  
Zzq@DESKTOP-2JF9I01 MINGW64 ~/.ssh  
$ git config --list --global  
core.editor=C:\Users\Zzq\AppData\Local\Programs\Microsoft VS Code\bin\code" --wait  
user.name=Ooooooiiioooooooo  
user.email=Ooooooiiioooooooo@noreply.gitcode.com
```

将课程仓库 Clone 到本地

```
MINGW64~/c/Users/Zzq/repo x + -
Zzq@DESKTOP-2JF9I01 MINGW64 ~/.ssh
$ pwd
/c/Users/Zzq/.ssh

Zzq@DESKTOP-2JF9I01 MINGW64 ~/.ssh
$ cd

Zzq@DESKTOP-2JF9I01 MINGW64 ~
$ pwd
/c/Users/Zzq

Zzq@DESKTOP-2JF9I01 MINGW64 ~
$ cd repo

Zzq@DESKTOP-2JF9I01 MINGW64 ~/repo
$ pwd
/c/Users/Zzq/repo

Zzq@DESKTOP-2JF9I01 MINGW64 ~/repo
$ git clone git@gitcode.com:0ooooooooooooo/week01.git
Cloning into 'week01'...
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 7 (delta 1), reused 7 (delta 1), pack-reused 0 (from 0)
Receiving objects: 100% (7/7), 8.65 KiB | 4.32 MiB/s, done.
Resolving deltas: 100% (1/1), done.

Zzq@DESKTOP-2JF9I01 MINGW64 ~/repo
```

