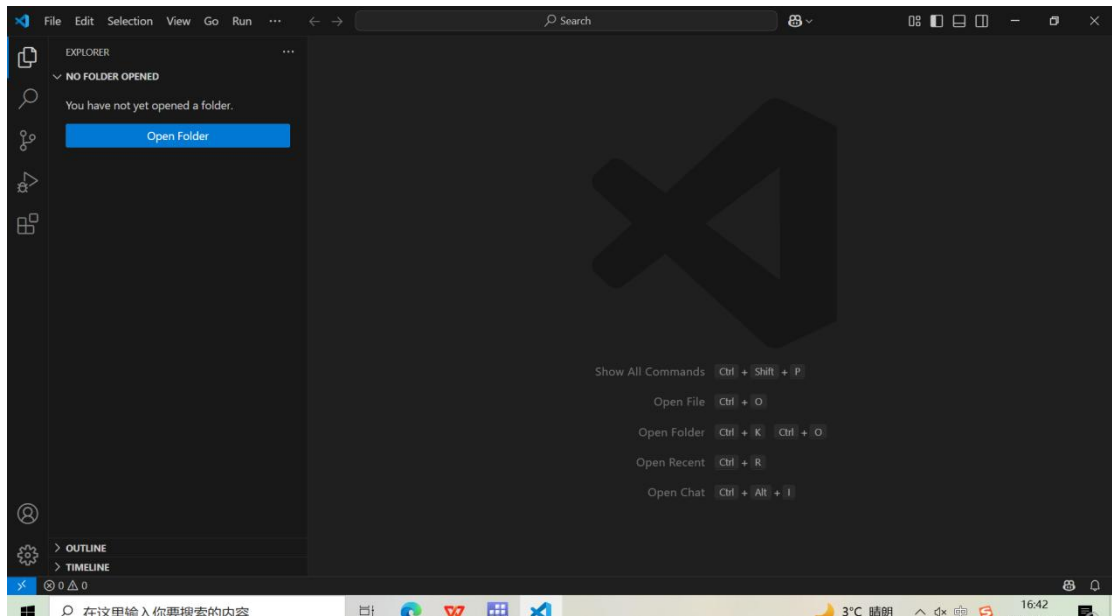
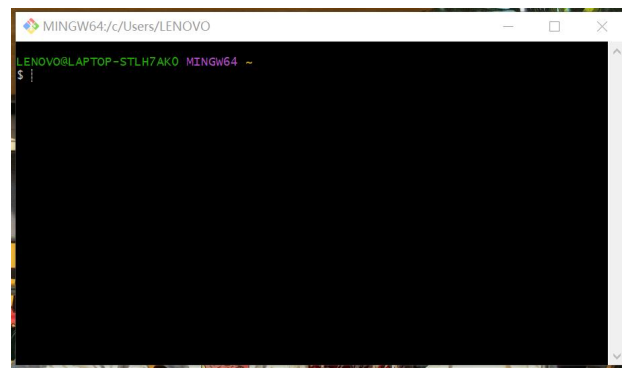
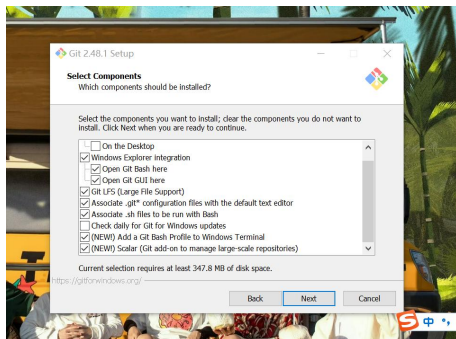


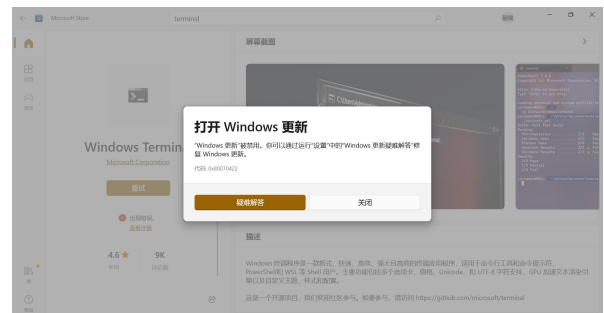
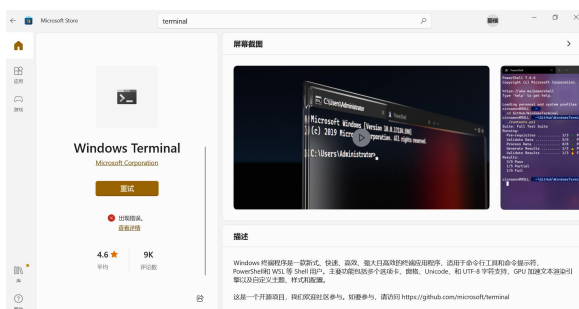
## 第一步：安装 vs code ✓



## 第二步：安装 Git ✓



但是在 Microsoft store 中下载 Windows terminal 时显示错误，点击查看详情出现以下内容



### 第三步：安装 Anaconda (Python 解释器) ✓

```
MINGW64/c/Users/LENOVO
LENOVO\LAPTOP-STLH7AKO MINGW64 ~
$ conda
usage: conda-script.py [-h] [--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 TRACE logging, three for DEBUG 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                DESCRIPTION
-----                -
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). Generally only used by 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.
develop              Install a python package in 'development mode',
                      similar to pip install --editable.
doctor                Display a health report for your environment.
export                Export a given environment.
index                 Update package index metadata files.
info                  Display information about current conda install.
init                  Initialize conda for shell interaction.
inspect               Tools for inspecting conda packages.
install               Install a list of packages into a specified conda
                      environment.
list                  List installed packages in a conda environment.
metapackage            Specialty tool for generating conda metapackage.
notices               Retrieve latest channel notifications.
pack                  See conda pack --help.
package               Create low-level conda packages. (EXPERIMENTAL)
```

```
MINGW64/c/Users/LENOVO
LENOVO\LAPTOP-STLH7AKO MINGW64 ~
$ conda
usage: conda-script.py [-h] [--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 TRACE logging, three for DEBUG 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                DESCRIPTION
-----                -
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). Generally only used by 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.
develop              Install a python package in 'development mode',
                      similar to pip install --editable.
doctor                Display a health report for your environment.
export                Export a given environment.
index                 Update package index metadata files.
info                  Display information about current conda install.
init                  Initialize conda for shell interaction.
inspect               Tools for inspecting conda packages.
install               Install a list of packages into a specified conda
                      environment.
list                  List installed packages in a conda environment.
metapackage            Specialty tool for generating conda metapackage.
notices               Retrieve latest channel notifications.
pack                  See conda pack --help.
package               Create low-level conda packages. (EXPERIMENTAL)
remove (uninstall)    Remove a list of packages from a specified conda
                      environment.
rename                Rename an existing environment.
render                Expand a conda recipe into a platform-specific recipe.
repo                  See conda repo --help.
repoquery             Advanced search for repodata.
run                    Run an executable in a conda environment.
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                Update conda packages to the latest compatible
                      version.

LENOVO\LAPTOP-STLH7AKO MINGW64 ~
$ echo $PATH
/c/Users/LENOVO/bin:/mingw64/bin:/usr/local/bin:/usr/bin:/bin:/mingw64/bin:/usr/bin:/c/Users/LENOVO/bin:/c/Program Files (x86)/Common Files/Oracle/Java/javapath:/c/Program Files (x86)/Common Files/Oracle/Java/javapath:/c/windows/system32/c/windows/system32/wbem/c/windows/system32/windowspowershell/v1.0/c/windows/system32/openSSH/d/Download/runtime/win64/d/Download/bin/cmd/mingw64/bin:/usr/bin/d/anaconda/d/anaconda/Library/mingw-w64/bin/d/anaconda/Library/usr/bin/d/anaconda/Library/bin/d/anaconda/Scripts/c/Users/LENOVO/AppData/Local/Microsoft/WindowsApps/e/wind/wind.NET.Client/bin/e/wind/wind.NET.Client/x64/c/Users/LENOVO/AppData/Local/Programs/Microsoft VS Code/bin:/usr/bin/vendor_perl:/usr/bin/core_perl

LENOVO\LAPTOP-STLH7AKO 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()

LENOVO\LAPTOP-STLH7AKO MINGW64 ~
$ which python
/d/anaconda/python

LENOVO\LAPTOP-STLH7AKO MINGW64 ~
$
```

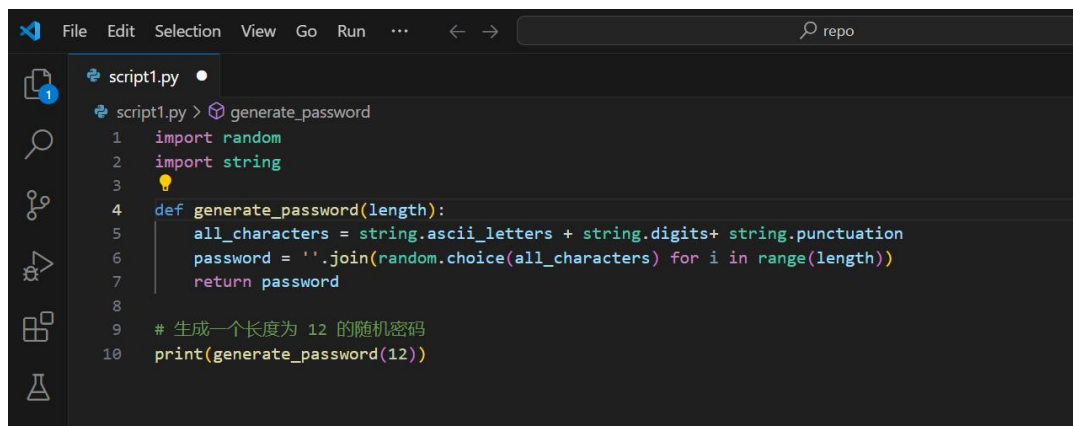
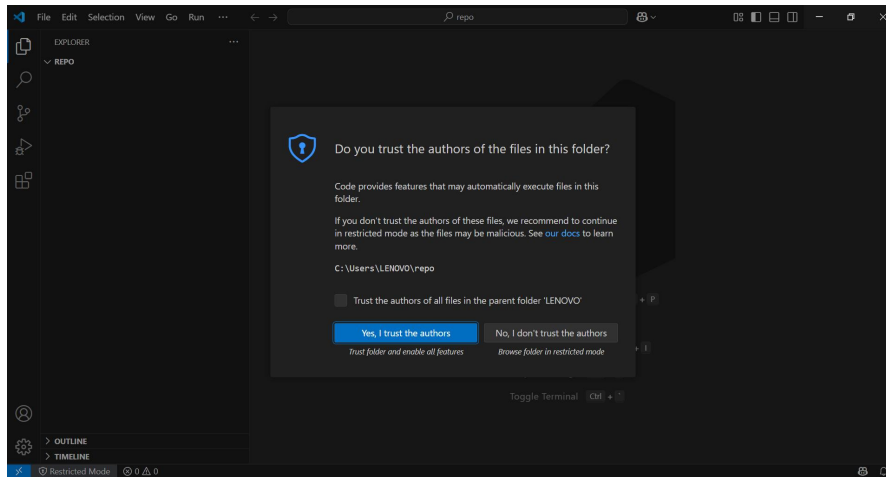
```
MINGW64/c/Users/LENOVO
LENOVO\LAPTOP-STLH7AKO MINGW64 ~
$ python
Python 3.12.7 | packaged by Anaconda, Inc. | (main, Oct 4 2024, 13:17:27) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> quit()
File "<stdin>", line 1
    quit()
    ^
SyntaxError: invalid character ' ' (U+FF09)
>>> quit()

LENOVO\LAPTOP-STLH7AKO 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

LENOVO\LAPTOP-STLH7AKO 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 "copyright", "credits" or "license()" for more information.
>>>
KeyboardInterrupt
>>> print('hello')
hello
>>> quit()
```



```
LENOVO\LAPTOP-STLH7AK0 MINGW64 -
$ ls
3D Objects/      'Local Settings'\
AppData/         'MicrosoftEdgeBackups\
'Application Data'\
Contacts/        'My Documents'\
Cookies/         NTUSER.DAT
Desktop/         NTUSER.DAT{0c009ec3-81b5-11eb-b126-bb4e433519a3}.TM.btf
Documents/       NTUSER.DAT{0c009ec3-81b5-11eb-b126-bb4e433519a3}.TMContainer000000000000000001.regtrans-ms
Downloads/       NTUSER.DAT{0c009ec3-81b5-11eb-b126-bb4e433519a3}.TMContainer000000000000000002.regtrans-ms
Favorites/       NetHood/
Links/           OneDrive/
Pictures/        Zotero/
PrintHood/       ado/
Recent/          ntuser.dat.LOG1
'Saved Games'/   ntuser.dat.LOG2
Searches/        ntuser.ini
SendTo/          repo/
Templates/       [开始] 菜单@
Videos/          'WPS Cloud Files'\
'WPS Cloud Files'\
WPSDrive/

LENOVO\LAPTOP-STLH7AK0 MINGW64 -
$ cd repo

LENOVO\LAPTOP-STLH7AK0 MINGW64 ~/repo
$ code
bash: code.: command not found

LENOVO\LAPTOP-STLH7AK0 MINGW64 ~/repo
$ code .

LENOVO\LAPTOP-STLH7AK0 MINGW64 ~/repo
$ ls
script1.py

LENOVO\LAPTOP-STLH7AK0 MINGW64 ~/repo
$ cat script1.py

LENOVO\LAPTOP-STLH7AK0 MINGW64 ~/repo
$ cat script1.py
import random
import string

def generate_password(length):
    all_characters = string.ascii_letters + string.digits + string.punctuation
    password = ''.join(random.choice(all_characters) for i in range(length))
    return password

# 生成一个长度为 12 的随机密码
print(generate_password(12))
LENOVO\LAPTOP-STLH7AK0 MINGW64 ~/repo
$ python script1.py
8&8p\4d4c1
```

第四步：注册并登录 ✓

第五步：生成 SSH 密钥 ✓

```
LENOVO@LAPTOP-STLH7AK0 MINGW64 ~/repo
$ ssh-keygen -t ed25519 -C "2216257691@qq.com"
Generating public/private ed25519 key pair.
Enter file in which to save the key (/c/Users/LENOVO/.ssh/id_ed25519):
Created directory '/c/Users/LENOVO/.ssh'.
Enter passphrase for "/c/Users/LENOVO/.ssh/id_ed25519" (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/LENOVO/.ssh/id_ed25519
Your public key has been saved in /c/Users/LENOVO/.ssh/id_ed25519.pub
The key fingerprint is:
SHA256:MeVMq1hyYS06c+81pNht9nDLxFAQW8BESGwm1Q+GmTD8 2216257691@qq.com
The key's randomart image is:
+--[ED25519 256]--+
|      . + =BXo      |
|      . o o+@ +     |
|      . . o.= @     |
|      . = + O .     |
|    o o o S E       |
|    = = o .         |
|      . o B =       |
|      + O .         |
|      . +           |
+-----[SHA256]-----+
LENOVO@LAPTOP-STLH7AK0 MINGW64 ~/repo
$ |
```

```
LENOVO@LAPTOP-STLH7AK0 MINGW64 ~/repo
$ ssh-keygen -t ed25519 -C "2216257691@qq.com"
Generating public/private ed25519 key pair.
Enter file in which to save the key (/c/Users/LENOVO/.ssh/id_ed25519):
Created directory '/c/Users/LENOVO/.ssh'.
Enter passphrase for "/c/Users/LENOVO/.ssh/id_ed25519" (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/LENOVO/.ssh/id_ed25519
Your public key has been saved in /c/Users/LENOVO/.ssh/id_ed25519.pub
The key fingerprint is:
SHA256:MeVMq1hyYS06c+81pNht9nDLxFAQW8BESGwm1Q+GmTD8 2216257691@qq.com
The key's randomart image is:
+--[ED25519 256]--+
|      . + =BXo      |
|      . o o+@ +     |
|      . . o.= @     |
|      . = + O .     |
|    o o o S E       |
|    = = o .         |
|      . o B =       |
|      + O .         |
|      . +           |
+-----[SHA256]-----+
LENOVO@LAPTOP-STLH7AK0 MINGW64 ~/repo
$ cd
LENOVO@LAPTOP-STLH7AK0 MINGW64 ~
$ pwd
/c/Users/LENOVO
LENOVO@LAPTOP-STLH7AK0 MINGW64 ~
$ cd .ssh
LENOVO@LAPTOP-STLH7AK0 MINGW64 ~/.ssh
$ ls
id_ed25519  id_ed25519.pub
LENOVO@LAPTOP-STLH7AK0 MINGW64 ~/.ssh
$ cat id_ed25519.pub
ssh-ed25519 AAAAC3NzaC1lZDIINTU5AAAAIBv7PG8mJG5v7ZsSNR9qmqz3Jnbv+vB+05pykp58i1Lb/ 2216257691@qq.com
```

```
LENOVO@LAPTOP-STLH7AK0 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])? yes
Warning: Permanently added 'gitcode.com' (RSA) to the list of known hosts.
remote: Welcome to GitCode, dawnchun
LENOVO@LAPTOP-STLH7AK0 MINGW64 ~/.ssh
$ ssh -T git@gitcode.com
remote: Welcome to GitCode, dawnchun
```



## 第六步：把仓库克隆到本地 ✓

```
LENOVO@LAPTOP-STLH7AK0 MINGW64 ~/.ssh
$ git config --global user.name dawnchun
git config --global user.email dawnchun@noreply.gitcode.com

LENOVO@LAPTOP-STLH7AK0 MINGW64 ~/.ssh
$ git config --list --global
core.editor="C:\Users\LENOVO\AppData\Local\Programs\Microsoft VS Code\bin\code" --wait
user.name=dawnchun
user.email=dawnchun@noreply.gitcode.com

LENOVO@LAPTOP-STLH7AK0 MINGW64 ~/.ssh
$ pwd
/c/Users/LENOVO/.ssh

LENOVO@LAPTOP-STLH7AK0 MINGW64 ~/.ssh
$ cd

LENOVO@LAPTOP-STLH7AK0 MINGW64 ~
$ pwd
/c/Users/LENOVO

LENOVO@LAPTOP-STLH7AK0 MINGW64 ~
$ cd repo

LENOVO@LAPTOP-STLH7AK0 MINGW64 ~/repo
$ pwd
/c/Users/LENOVO/repo

LENOVO@LAPTOP-STLH7AK0 MINGW64 ~/repo
$ git clone git@gitcode.com:dawnchun/week01.git
Cloning into 'week01'...
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 | 896.00 KiB/s, done.

LENOVO@LAPTOP-STLH7AK0 MINGW64 ~/repo
$ ll
total 1
-rw-r--r-- 1 LENOVO 197121 316 Mar 11 15:47 script1.py
drwxr-xr-x 1 LENOVO 197121 0 Mar 11 16:34 week01/
```

