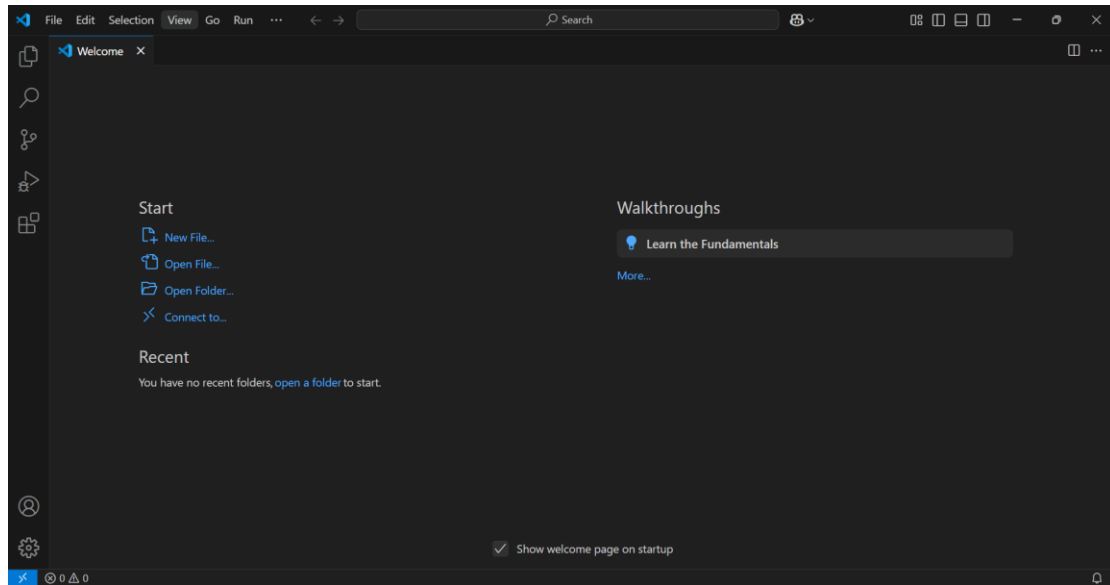
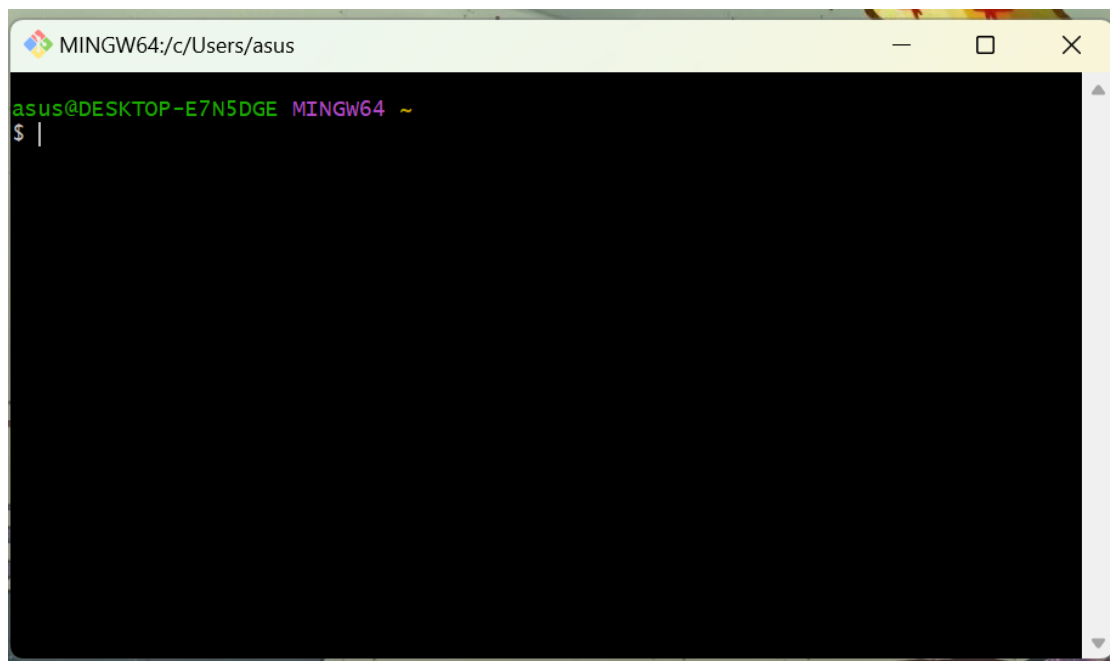


## 第一周 准备开发环境

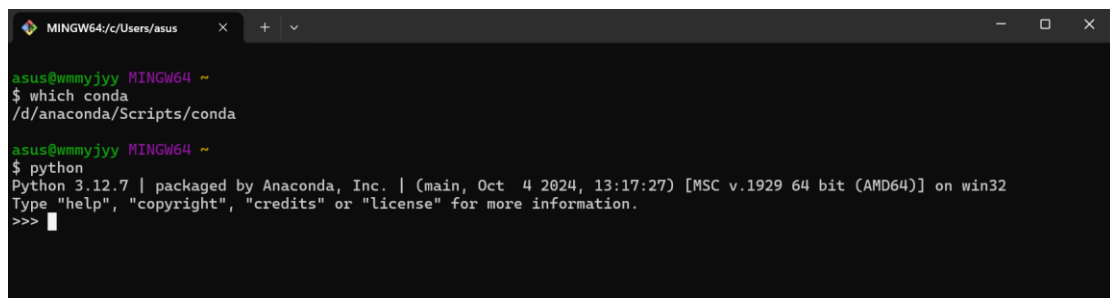
### 安装 VS Code



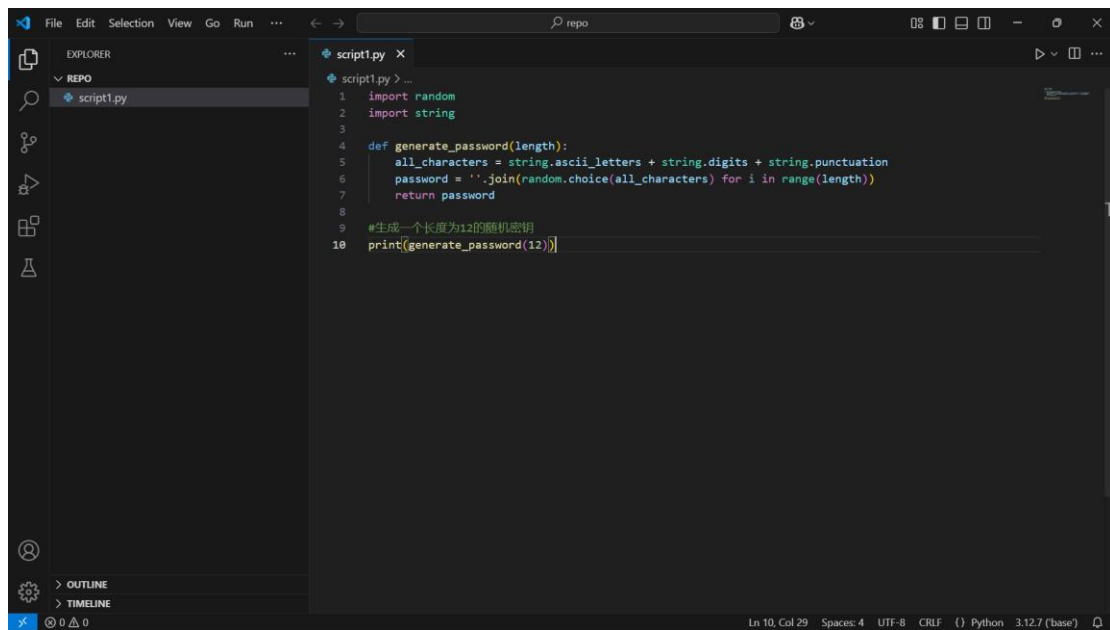
### 安装 Git 并配置在终端



### 安装 Anaconda 并配置在终端

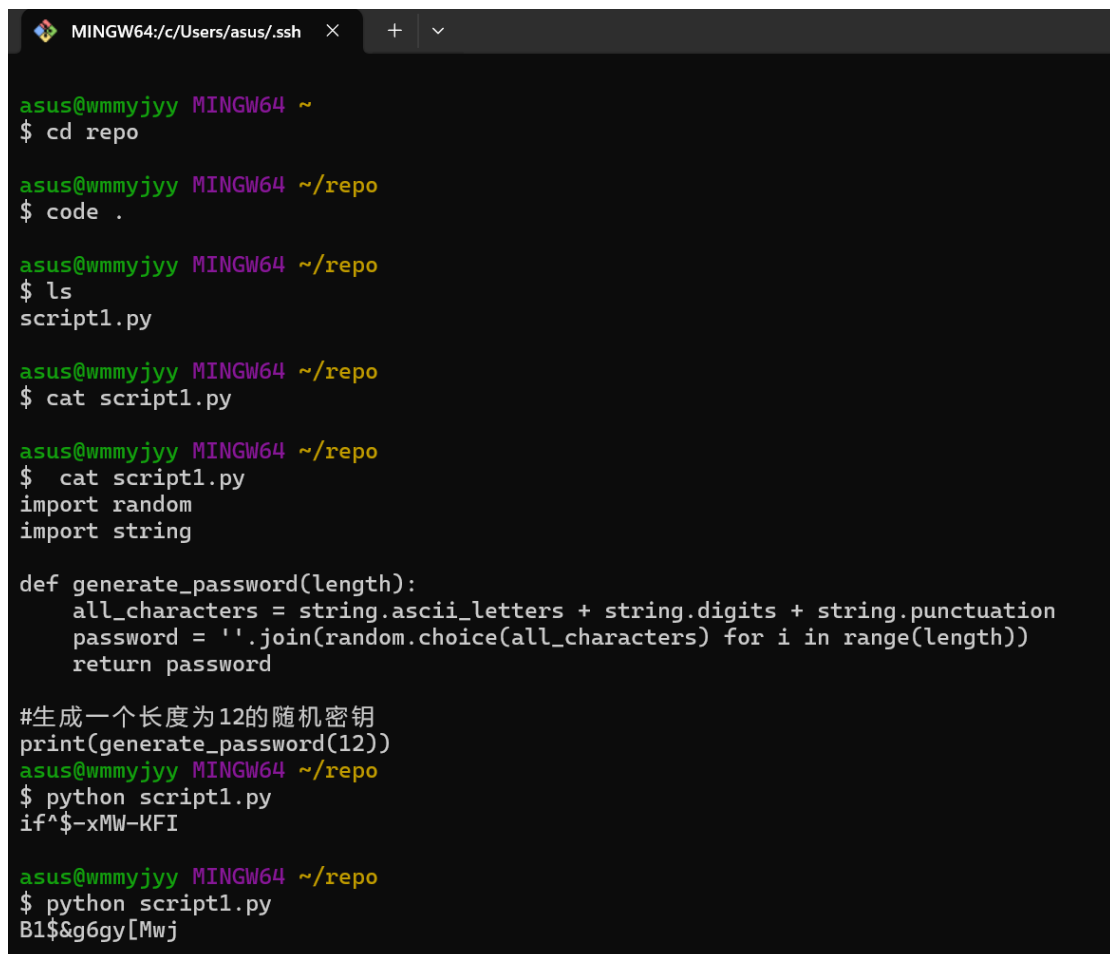


在 code 中编写代码内容



```
File Edit Selection View Go Run ... repo
script1.py
1 import random
2 import string
3
4 def generate_password(length):
5     all_characters = string.ascii_letters + string.digits + string.punctuation
6     password = ''.join(random.choice(all_characters) for i in range(length))
7     return password
8
9 #生成一个长度为12的随机密钥
10 print(generate_password(12))
```

在终端中运行



```
MINGW64/c/Users/asus/.ssh
asus@wmmjyy MINGW64 ~
$ cd repo

asus@wmmjyy MINGW64 ~/repo
$ code .

asus@wmmjyy MINGW64 ~/repo
$ ls
script1.py

asus@wmmjyy MINGW64 ~/repo
$ cat script1.py

asus@wmmjyy 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的随机密钥
print(generate_password(12))
asus@wmmjyy MINGW64 ~/repo
$ python script1.py
if^$-xMW-KFI

asus@wmmjyy MINGW64 ~/repo
$ python script1.py
B1$&g6gy[Mwj
```

## 生成 SSH 密钥

```
asus@wmmjyy MINGW64 ~/repo
$ ssh-keygen -t ed25519 -C "wmmjyy@163.com"
Generating public/private ed25519 key pair.
Enter file in which to save the key (/c/Users/asus/.ssh/id_ed25519):
Created directory '/c/Users/asus/.ssh'.
Enter passphrase for "/c/Users/asus/.ssh/id_ed25519" (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/asus/.ssh/id_ed25519
Your public key has been saved in /c/Users/asus/.ssh/id_ed25519.pub
The key fingerprint is:
SHA256:zZ/FhH3kj7yJsyyVq00lnkqV/0n7YjX2gHkNBU0L3QI wmmjyy@163.com
The key's randomart image is:
+--[ED25519 256]--+
|                Eoo++|
|                oo+=|
|                . o+o|
|                + .o.|
|                S o. +=o.|
|                . . . =+*o.|
|                . .o.*+o+|
|                . o+. +o= .|
|                . +=. o*o .|
+-----[SHA256]-----+
```

## 将公钥添加到 GitCode 设置中

