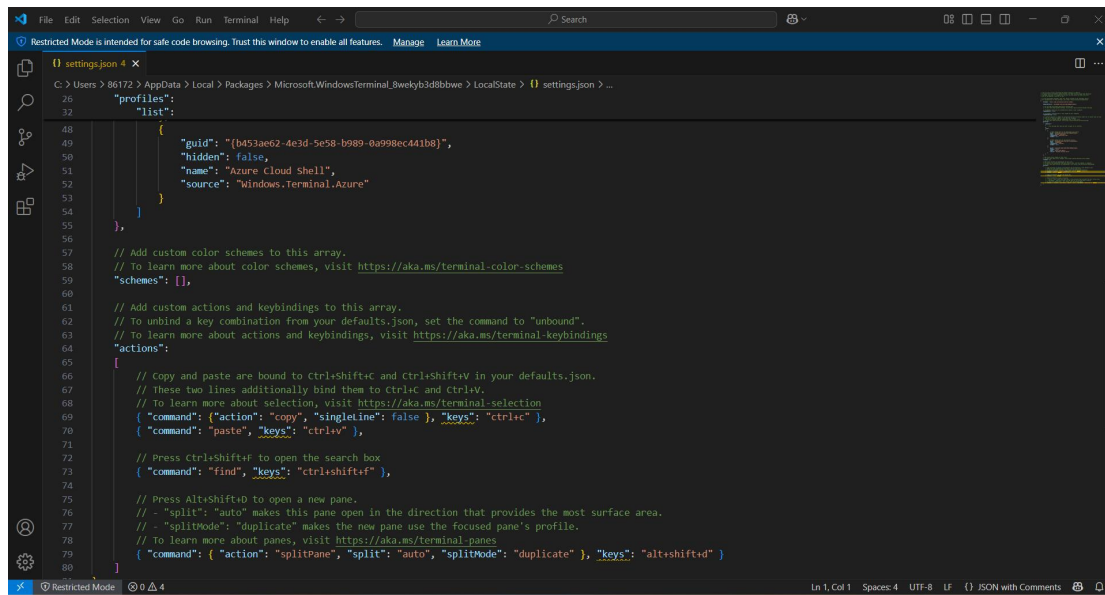
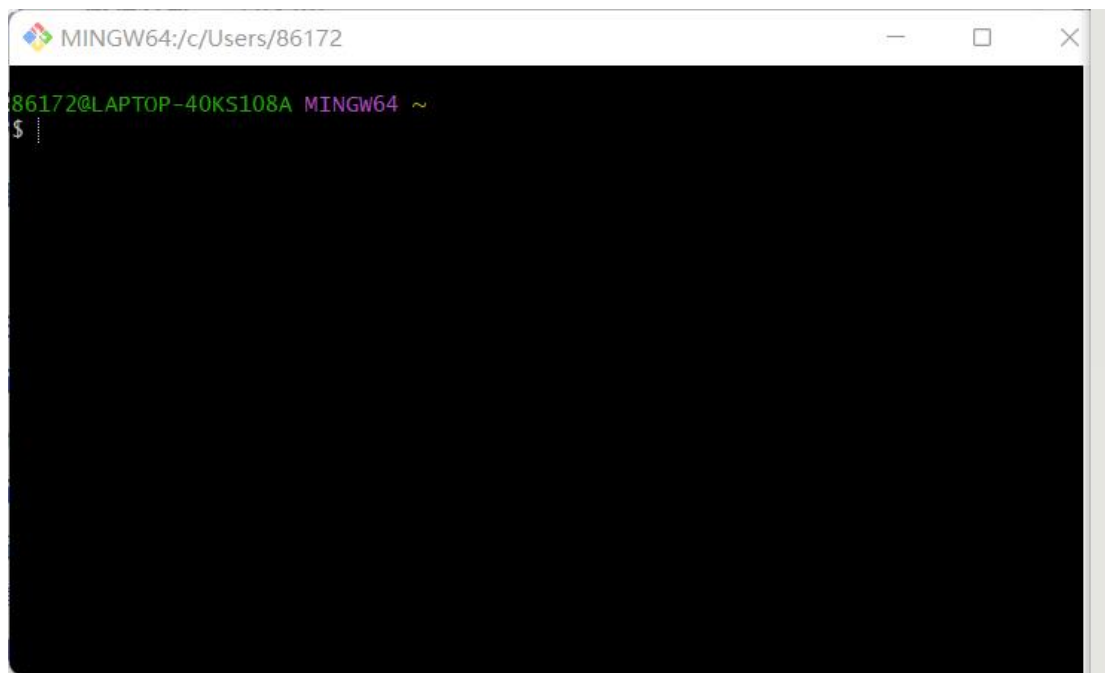


一、安装 VS Code 和 Git



The screenshot shows the VS Code editor with the `settings.json` file open. The file is located at `C:\Users\86172\AppData\Local\Packages\Microsoft.WindowsTerminal_8wekyb3d8bwe>LocalState>settings.json`. The file contains JSON configuration for the Windows Terminal, including profiles, color schemes, and actions. The profiles section defines a profile named "Azure Cloud Shell" with a specific GUID and source. The color schemes section is empty. The actions section defines several custom actions, including "copy", "paste", "find", and "splitPane".

```
26  "profiles":
27    "list":
48      {
49        "guid": "{b453ae62-4e3d-5e58-b989-0a998ec441b8}",
50        "hidden": false,
51        "name": "Azure Cloud Shell",
52        "source": "Windows.Terminal.Azure"
53      }
54    ]
55  },
56
57  // Add custom color schemes to this array.
58  // To learn more about color schemes, visit https://aka.ms/terminal-color-schemes
59  "schemes": [],
60
61  // Add custom actions and keybindings to this array.
62  // To unbind a key combination from your defaults.json, set the command to "unbound".
63  // To learn more about actions and keybindings, visit https://aka.ms/terminal-keybindings
64  "actions":
65  [
66    // Copy and paste are bound to Ctrl+Shift+C and Ctrl+Shift+V in your defaults.json.
67    // These two lines additionally bind them to Ctrl+C and Ctrl+V.
68    // To learn more about selection, visit https://aka.ms/terminal-selection
69    { "command": { "action": "copy", "singleline": false }, "keys": "ctrl+c" },
70    { "command": "paste", "keys": "ctrl+v" },
71
72    // Press Ctrl+Shift+F to open the search box
73    { "command": "find", "keys": "ctrl+shift+f" },
74
75    // Press Alt+Shift+N to open a new pane.
76    // - "split": "auto" makes this pane open in the direction that provides the most surface area.
77    // - "splitMode": "duplicate" makes the new pane use the focused pane's profile.
78    // To learn more about panes, visit https://aka.ms/terminal-panes
79    { "command": { "action": "splitPane", "split": "auto", "splitMode": "duplicate" }, "keys": "alt+shift+d" }
80  ]
```



The screenshot shows a Windows Command Prompt window titled "MINGW64: c:/Users/86172". The prompt displays the user's name "86172@LAPTOP-40KS108A" and the shell "MINGW64 ~". The prompt is followed by a dollar sign "\$" and a cursor.

```
86172@LAPTOP-40KS108A MINGW64 ~
$
```

```
Windows PowerShell
版权所有 (C) Microsoft Corporation。保留所有权利。

安装最新的 PowerShell, 了解新功能和改进! https://aka.ms/PSWindows

PS C:\Users\86172>
```

二、安装 anaconda

在终端显示 anaconda

```
MINGW64:/c/Users/86172

86172@LAPTOP-40KS108A 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, thrice 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
  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
```

```
MINGW64:/c/Users/86172
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`.
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.
>>> which python
File "<stdin>", line 1
    which python
    ^^^^^^^
SyntaxError: invalid syntax
>>> python 3
File "<stdin>", line 1
    python 3
    ^
SyntaxError: invalid syntax
```

三、使用豆包与设置 SSH 密钥

```
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))
```

```
MINGW64:/c/Users/86172/repo
86172@LAPTOP-40KS108A MINGW64 ~/repo
$ cat script1.pyimport 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))
cat: script1.pyimport: No such file or directory
cat: random: No such file or directory
bash: import: command not found
bash: syntax error near unexpected token `('
bash: all_characters: command not found
bash: syntax error near unexpected token `('
bash: return: password: numeric argument required
bash: return: can only `return' from a function or sourced script
bash: syntax error near unexpected token `generate_password'

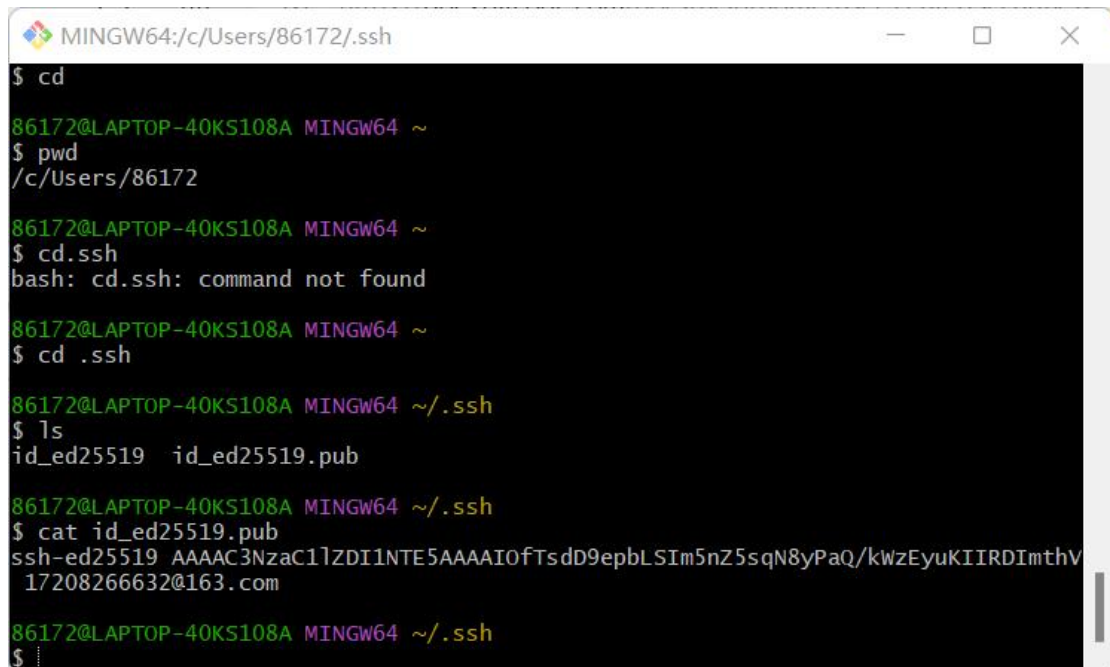
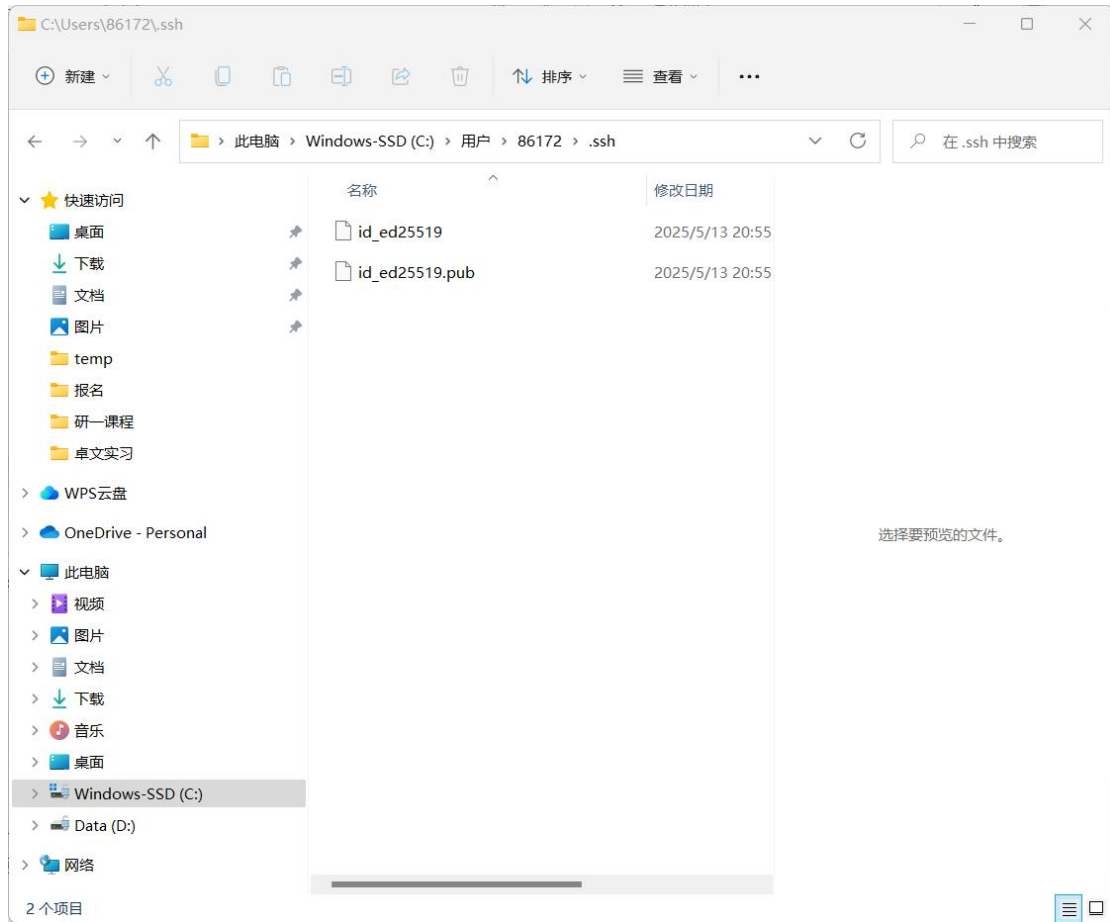
86172@LAPTOP-40KS108A MINGW64 ~/repo
$
```

四、配置 SSH 密钥

```
MINGW64:/c/Users/86172/repo
Enter file in which to save the key (/c/Users/86172/.ssh/id_ed25519):
Created directory '/c/Users/86172/.ssh'.
Enter passphrase for "/c/Users/86172/.ssh/id_ed25519" (empty for no passphrase):

Enter same passphrase again:
Your identification has been saved in /c/Users/86172/.ssh/id_ed25519
Your public key has been saved in /c/Users/86172/.ssh/id_ed25519.pub
The key fingerprint is:
SHA256:i/Idnj9rvj/yr9LBVhofXzd0lghaJx9kJr79oEsBDHo 17208266632@163.com
The key's randomart image is:
+--[ED25519 256]--+
|      . =o*. . |
|    . o + B..oo|
|  . E + . ....|
|    . . o .o+ |
|      S  o + =* |
|    . . + B o |
|  . . o + + o |
|    o o o= + + |
|  . ++o+ +o+. |
+-----[SHA256]-----+

86172@LAPTOP-40KS108A MINGW64 ~/repo
$
```



SSH公钥:	ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIOtSdD9epbLSIm5nZ5sqN8yPaQ/kWzEyuKIIRDImthV 17208266632@163.com
过期时间:	永不过期
使用情况:	从未被使用
创建时间:	刚刚

```
MINGW64:/c/Users/86172

86172@LAPTOP-40KS108A MINGW64 ~
$ 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, availabless

86172@LAPTOP-40KS108A MINGW64 ~
$ ssh -T git@gitcode.com
remote: Welcome to GitCode, availabless

86172@LAPTOP-40KS108A MINGW64 ~
$
```

```
$ cd

86172@LAPTOP-40KS108A MINGW64 ~
$ pwd
/c/Users/86172

86172@LAPTOP-40KS108A MINGW64 ~
$ cd repo

86172@LAPTOP-40KS108A MINGW64 ~/repo
$ pwd
/c/Users/86172/repo

86172@LAPTOP-40KS108A MINGW64 ~/repo
$ git clone git@gitcode.com:availabless/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.

86172@LAPTOP-40KS108A MINGW64 ~/repo
```