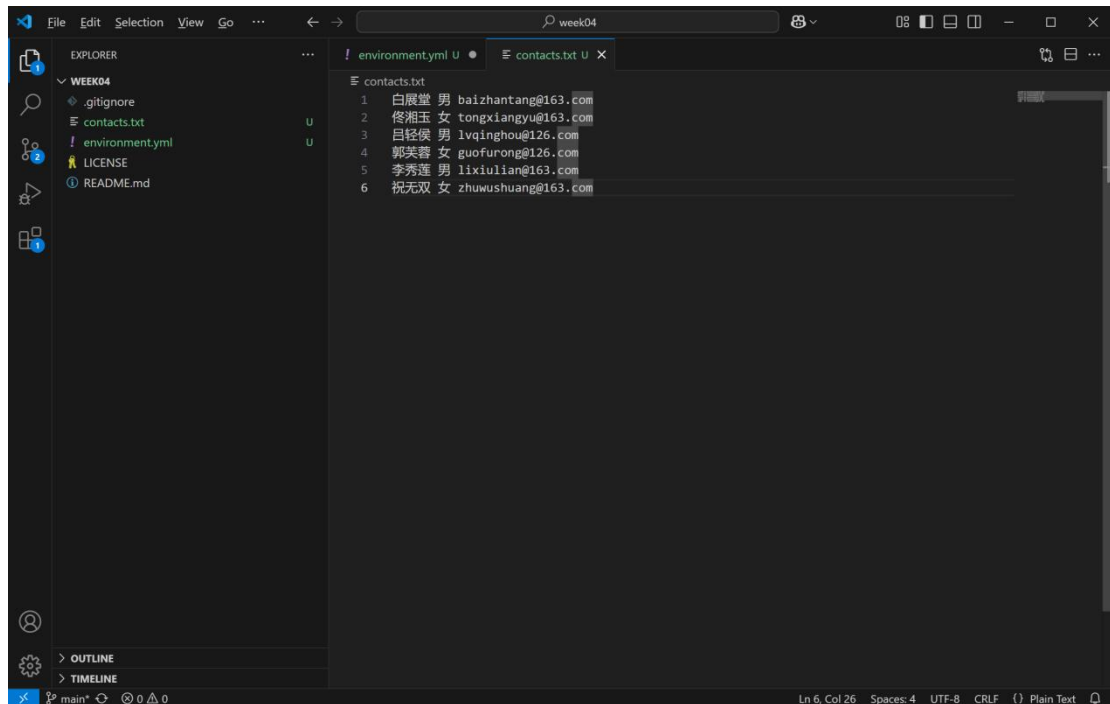


Week04 作业

一、计算机组成原理与操作系统

```
MINGW64:/c/Users/Lenovo/repo/week04
drwxr-xr-x 1 Lenovo 197121 0 Mar 20 22:06 week03/
(base)
Lenovo@DESKTOP-VCHBCBH MINGW64 ~/repo (main)
$ git clone https://gitcode.com/DAIL/week04.git
Cloning into 'week04'...
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 5 (delta 0), reused 5 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (5/5), 8.43 KiB | 507.00 KiB/s, done.
(base)
Lenovo@DESKTOP-VCHBCBH MINGW64 ~/repo (main)
$ cd week04/
(base)
Lenovo@DESKTOP-VCHBCBH MINGW64 ~/repo/week04 (main)
$ pwd
/c/Users/Lenovo/repo/week04
(base)
Lenovo@DESKTOP-VCHBCBH MINGW64 ~/repo/week04 (main)
$ git remote show origin
* remote origin
Fetch URL: https://gitcode.com/DAIL/week04.git
Push URL: https://gitcode.com/DAIL/week04.git
HEAD branch: main
```

```
MINGW64:/c/Users/Lenovo/repo/week04
name: my-project
channels:
- defaults
dependencies:
- python=3.12(base)
Lenovo@DESKTOP-VCHBCBH MINGW64 ~/repo/week04 (main)
$ cp ../myproject/environment.yml
cp: missing destination file operand after '../myproject/environment.yml'
Try 'cp --help' for more information.
(base)
Lenovo@DESKTOP-VCHBCBH MINGW64 ~/repo/week04 (main)
$ cp ../myproject/environment.yml ./
(base)
Lenovo@DESKTOP-VCHBCBH MINGW64 ~/repo/week04 (main)
$ cat environment.yml
name: my-project
channels:
- defaults
dependencies:
- python=3.12(base)
Lenovo@DESKTOP-VCHBCBH MINGW64 ~/repo/week04 (main)
$ conda env create
Retrieving notices: done
```



二、运用 pdb 检查程序的内部运行

```
MINGW64:/c/Users/Lenovo/repo/week04
drwxr-xr-x 1 Lenovo 197121 0 Mar 14 23:48 week02/
drwxr-xr-x 1 Lenovo 197121 0 Mar 20 22:06 week03/
drwxr-xr-x 1 Lenovo 197121 0 Mar 26 20:37 week04/
(base)
Lenovo@DESKTOP-VCHBCBH MINGW64 ~/repo (main)
$ cd week04
(base)
Lenovo@DESKTOP-VCHBCBH MINGW64 ~/repo/week04 (main)
$ pwd
/c/Users/Lenovo/repo/week04
(base)
Lenovo@DESKTOP-VCHBCBH MINGW64 ~/repo/week04 (main)
$ conda activate week04

EnvironmentNameNotFound: Could not find conda environment: week04
You can list all discoverable environments with `conda info --envs`.

(base)
Lenovo@DESKTOP-VCHBCBH MINGW64 ~/repo/week04 (main)
$ code
(base)
Lenovo@DESKTOP-VCHBCBH MINGW64 ~/repo/week04 (main)
$
```

```
CLANGARM64: c:/Users/qiang x + v
48 -> sorted_contacts = sort_contacts(contacts)
49     generated_emails = generate_emails(sorted_contacts)
50     write_emails(generated_emails, output_file)
51     print(f"邮件已成功生成到 {output_file}。")
[EOF]
(Pdb) n
> c:\users\qiang\repo\week04\main.py(49)<module>()
-> generated_emails = generate_emails(sorted_contacts)
(Pdb) l
44     if __name__ == "__main__":
45         contacts_file = "contacts.txt"
46         output_file = "emails.txt"
47         contacts = read_contacts(contacts_file)
48         sorted_contacts = sort_contacts(contacts)
49 ->     generated_emails = generate_emails(sorted_contacts)
50         write_emails(generated_emails, output_file)
51         print(f"邮件已成功生成到 {output_file}。")
[EOF]
(Pdb) p sorted_contacts
[('郭芙蓉', '女', 'guofurong@126.com'), ('吕轻侯', '男', 'lvqinghou@126.com'), ('白展堂', '男', 'baizhantang@163.com'), ('李秀莲', '男', 'lixiluan@163.com'), ('佟湘玉', '女', 'tongxiangyu@163.com'), ('祝无双', '女', 'zhuwushuang@163.com')]
(Pdb) pp sorted_contacts
[('郭芙蓉', '女', 'guofurong@126.com'), ('吕轻侯', '男', 'lvqinghou@126.com'), ('白展堂', '男', 'baizhantang@163.com'), ('李秀莲', '男', 'lixiluan@163.com'), ('佟湘玉', '女', 'tongxiangyu@163.com'), ('祝无双', '女', 'zhuwushuang@163.com')]
(Pdb) 
```

三、