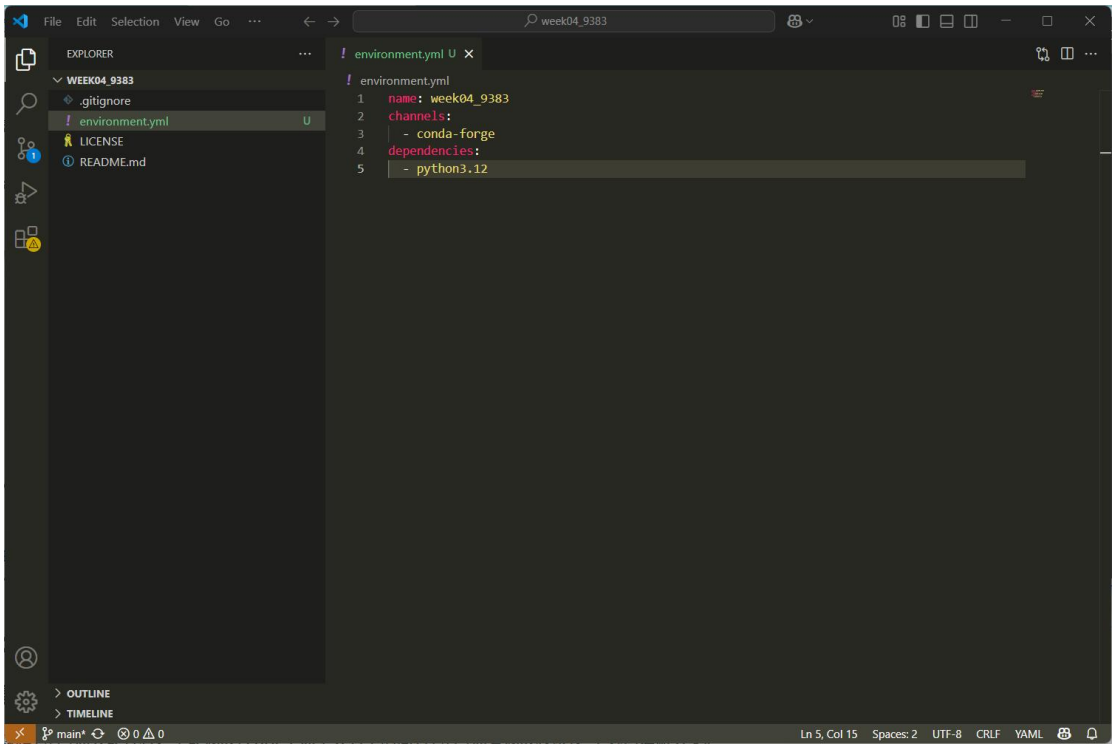
1 用 VS Code 打开项目目录，新建一个 environment.yml 文件，指定安装 Python 3.12，然后运行 conda env create 命令创建 Conda 环境

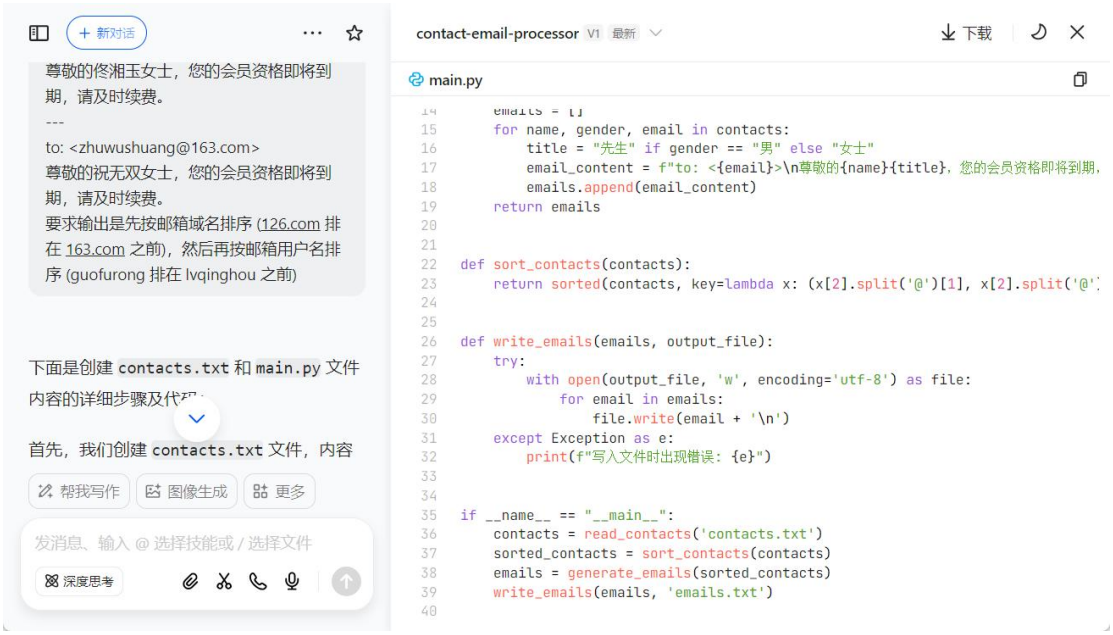


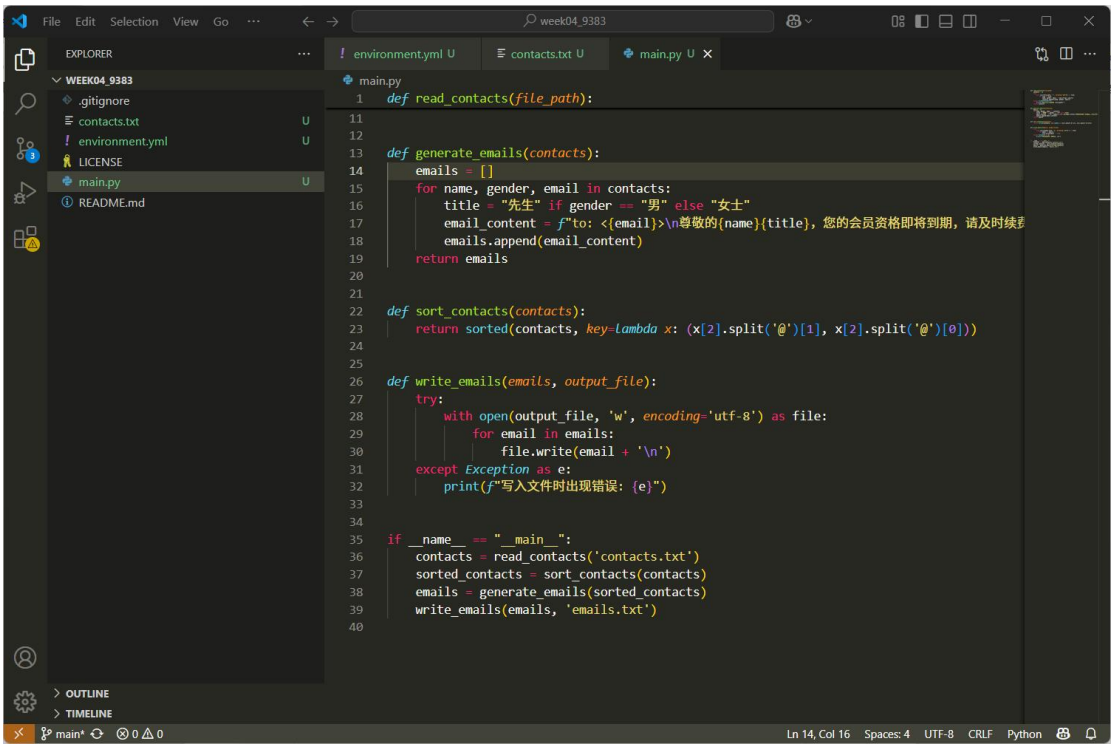

```
(base) 14332@□□□汉□□□□□□□□ MINGW64 ~/repo/week04_9383 (main)$ cat environment.yml ./
name: week04_9383
channels:
  - conda-forge
dependencies:
  - python3.12cat: ./: Is a directory
```

2 新建一个 contacts.txt 文件，每行写一个联系人，每个联系人都包含姓名、性别、邮箱三个字段，用空格分隔

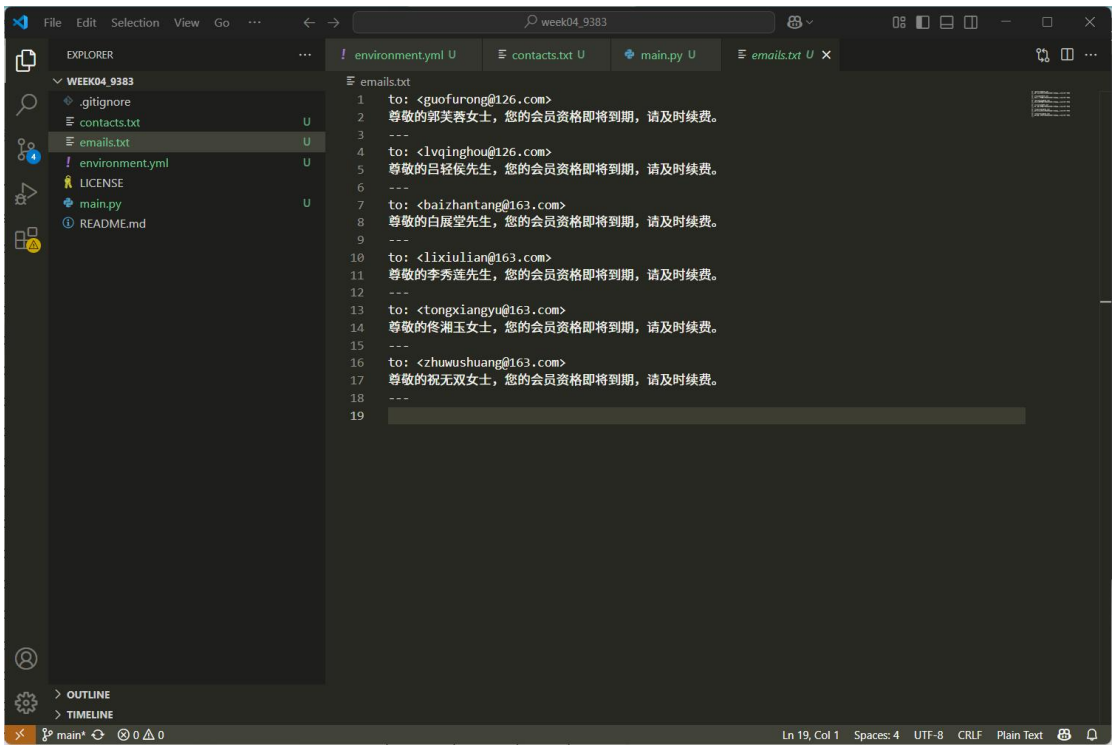
```
(base) 14332@□□□汉□□□□□□□□ MINGW64 ~/repo/week04_9383 (main)$ cat contacts.txt
白展堂 男 baizhantang@163.com
佟湘玉 女 tongxiangyu@163.com
吕轻侯 男 lvqinghou@126.com
郭芙蓉 女 guofurong@126.com
李秀莲 男 lixiulian@163.com
祝无双 女 zhuwushuang@163.com(base) 14332@□□□汉□□□□□□□□ MINGW64 ~/repo/week04_9383 (mai
```

3.将“任务要求” 的文本，复制粘贴到大模型 里，请 AI 来帮助编写程序初稿

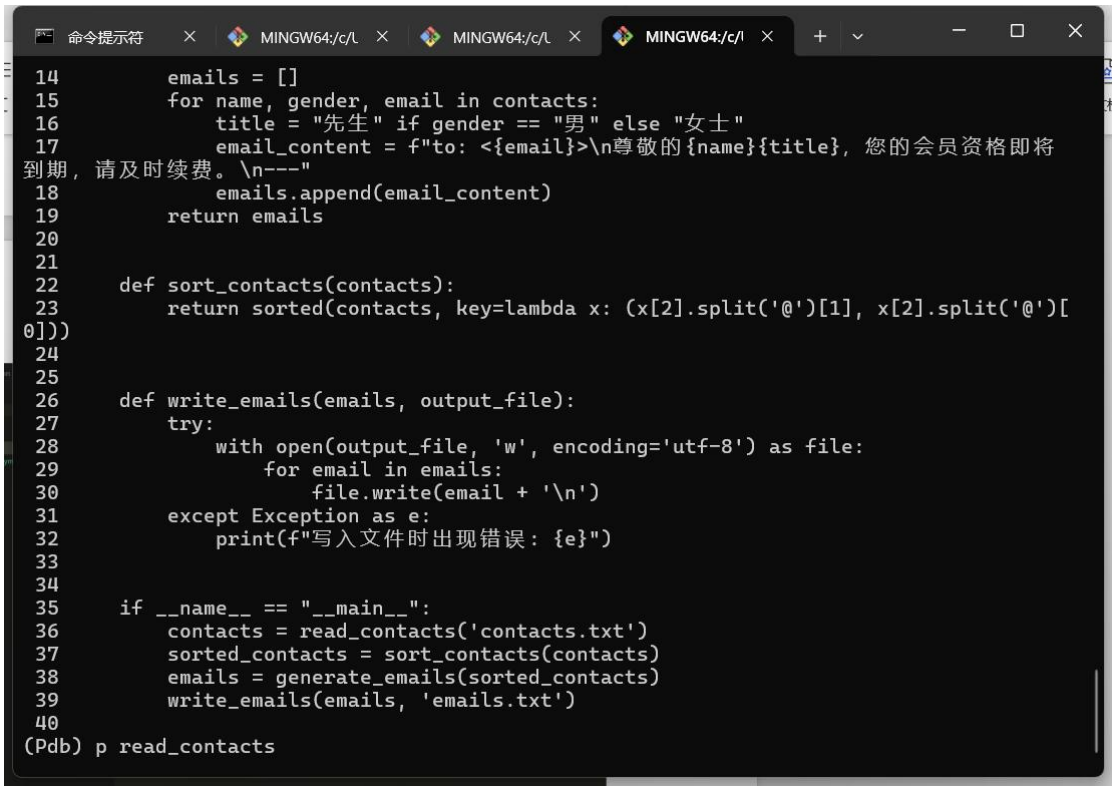


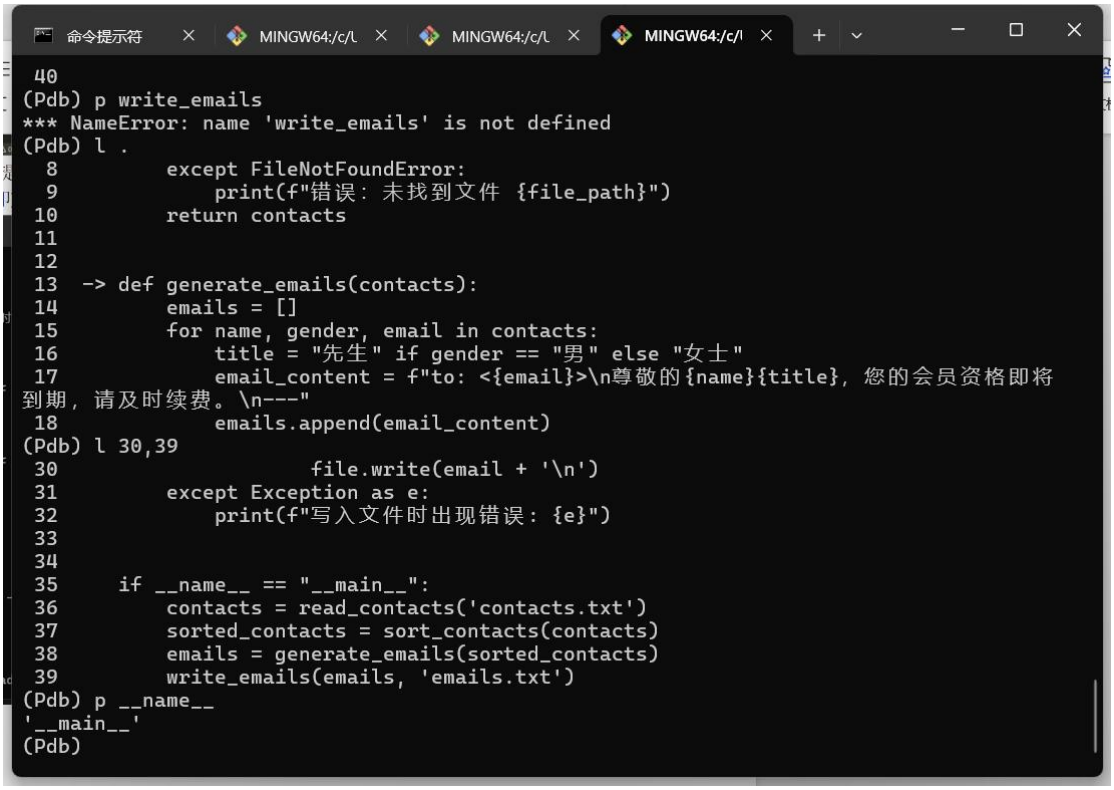


4. 使用 python 生成

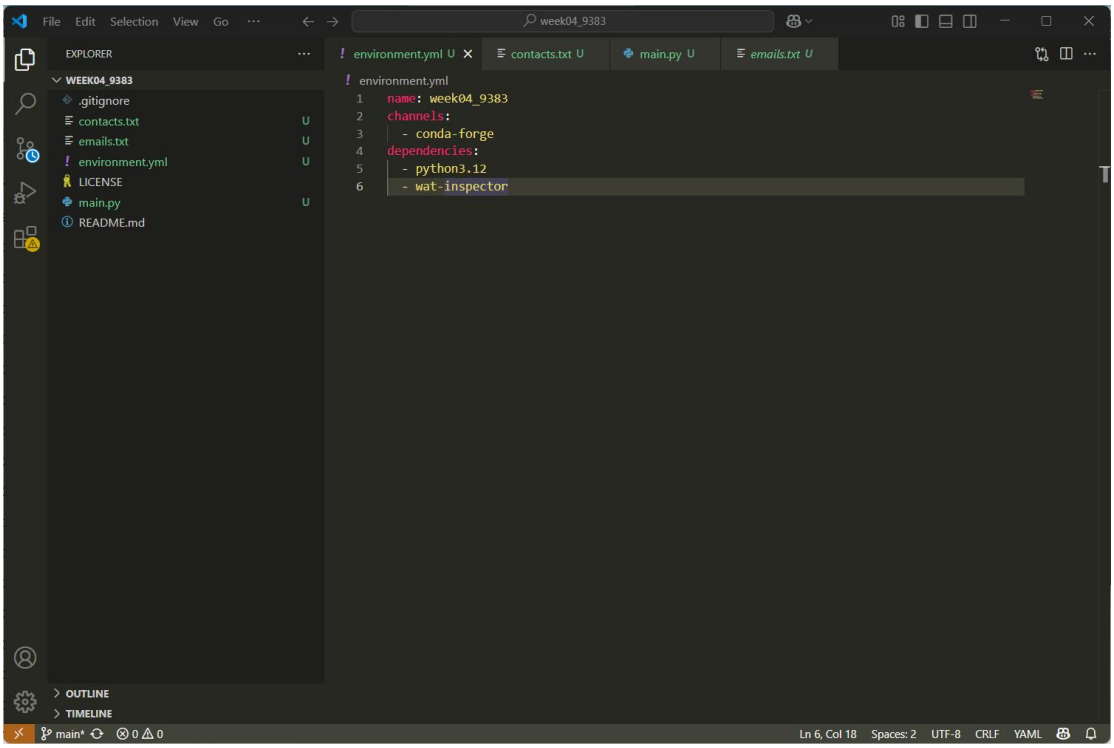


5.在 (pdb) 提示符下练习使用 l (显示代码)、n (执行当前行)、p (打印表达式)、s (步入调用)、pp (美观打印)、c (继续执行) 等命令





5. 利用 wat-inspector（第三方软件包，需要安装）检查 (inspect) 各种对象



- python3.12
- wat-inspector(base) 14332@□□□汉□□□□□□□□ MINGW64 ~/repo/week04_9383 (main)$ conda env update
D:\anzhuang\an\Lib\argparse.py:2006: FutureWarning: `remote_definition` is deprecated and will be removed in 25.9. Use `conda env create --file=URL` instead.
action(self, namespace, argument_values, option_string)
Channels:
- conda-forge
- defaults
- https://repo.anaconda.com/pkgs/main
- https://repo.anaconda.com/pkgs/r
- https://repo.anaconda.com/pkgs/msys2
Platform: win-64
Collecting package metadata (repodata.json): |