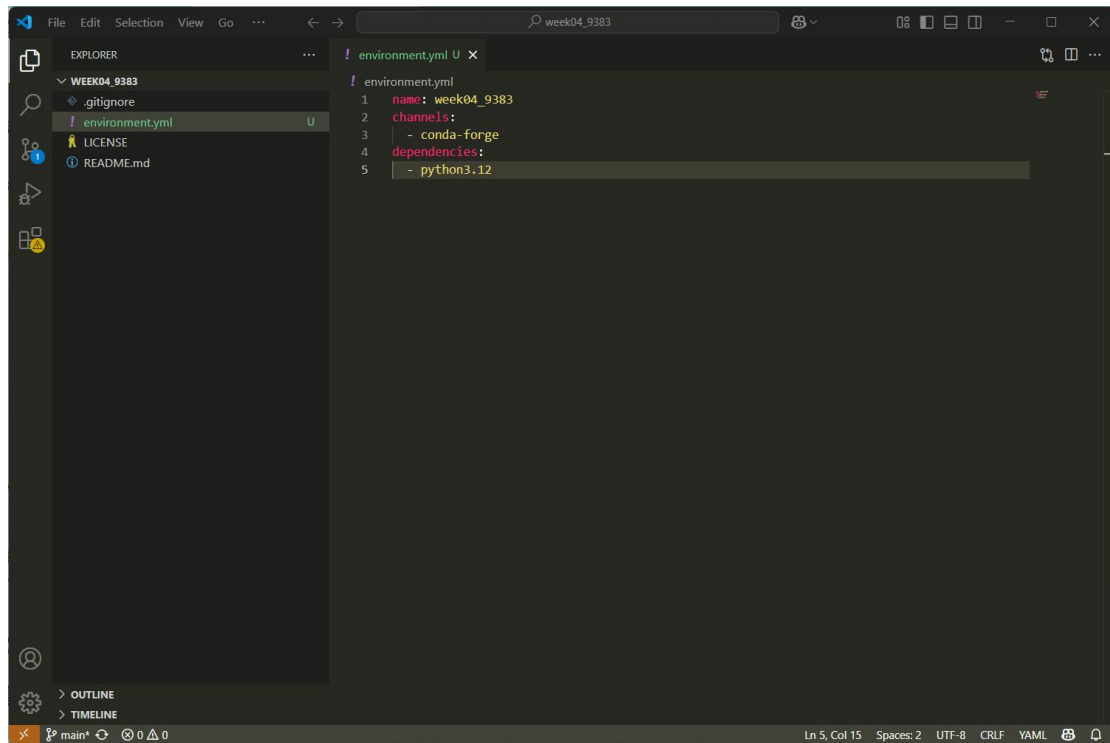


1 用 VS Code 打开项目目录，新建一个 `environment.yml` 文件，指定安装 Python 3.12，然后运行 `conda env create` 命令创建 Conda 环境



The screenshot shows the VS Code interface with a file explorer on the left and a code editor on the right. The file explorer shows a project named 'WEEK04\_9383' with files like '.gitignore', 'environment.yml', 'LICENSE', and 'README.md'. The code editor is open to 'environment.yml' and contains the following YAML content:

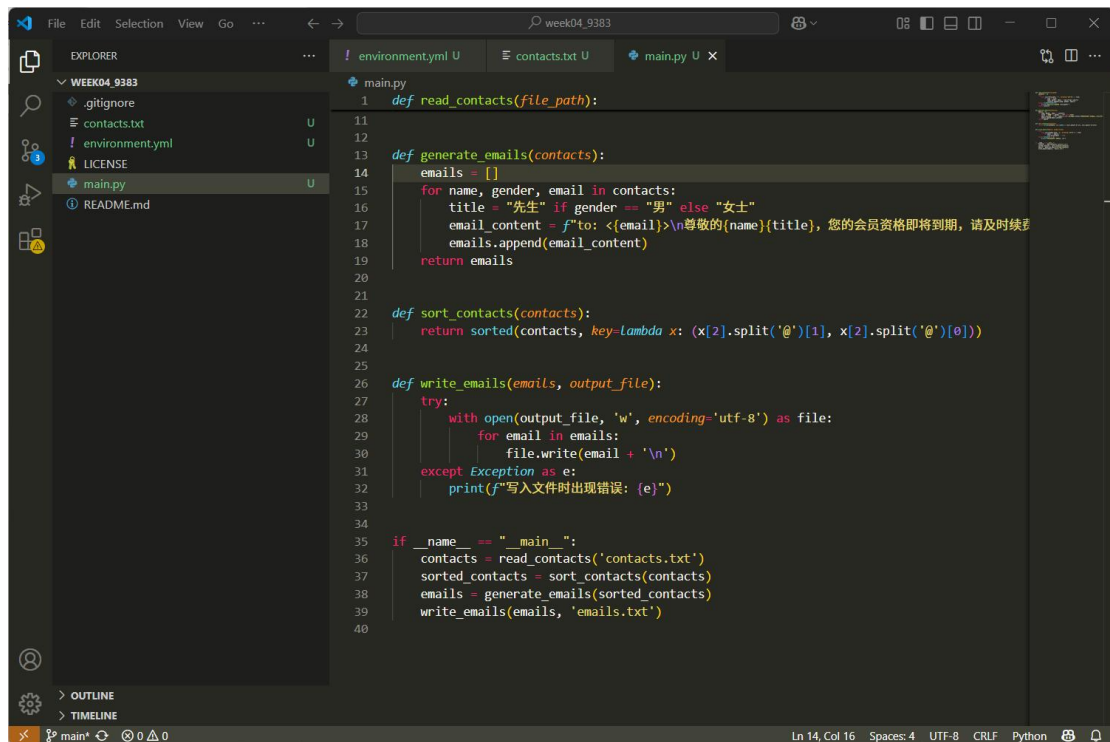
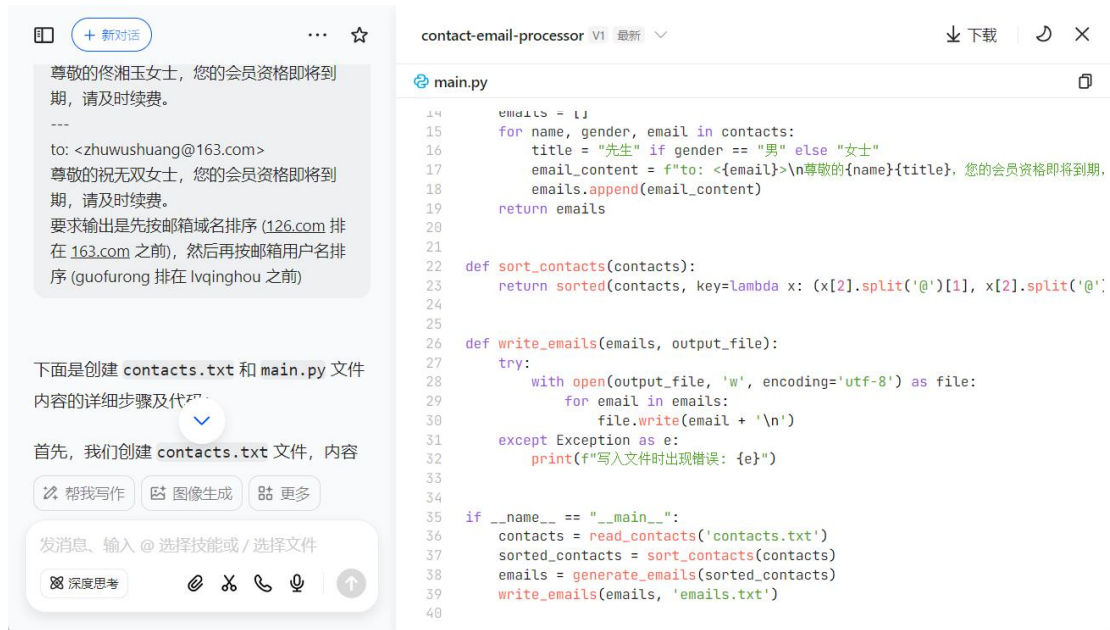
```
environment.yml
1 name: week04_9383
2 channels:
3   - conda-forge
4 dependencies:
5   - python3.12
```

```
(base) 14332@000000 MINGW64 ~/repo/week04_9383 (main)$ cat environment.yml ./
name: week04_9383
channels:
  - conda-forge
dependencies:
  - python3.12cat: ./: Is a directory
```

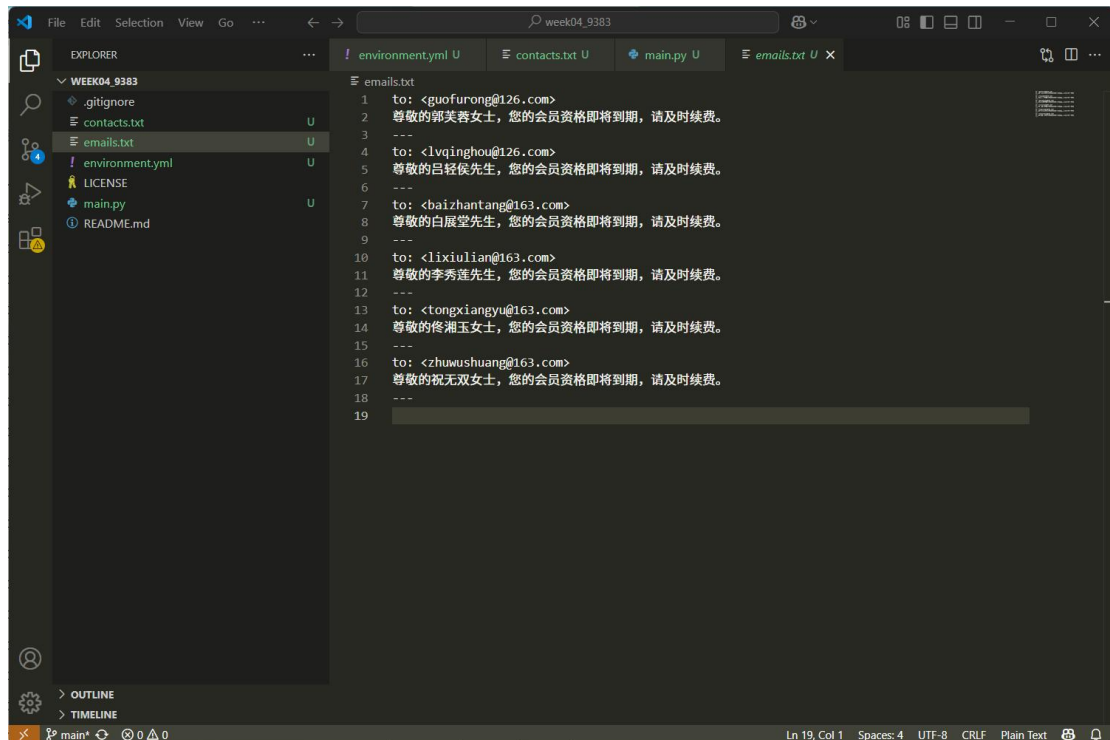
2 新建一个 `contacts.txt` 文件，每行写一个联系人，每个联系人都包含姓名、性别、邮箱三个字 段 ， 用 空 格 分 隔

```
(base) 14332@000000 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@000000 MINGW64 ~/repo/week04_9383 (mai
```

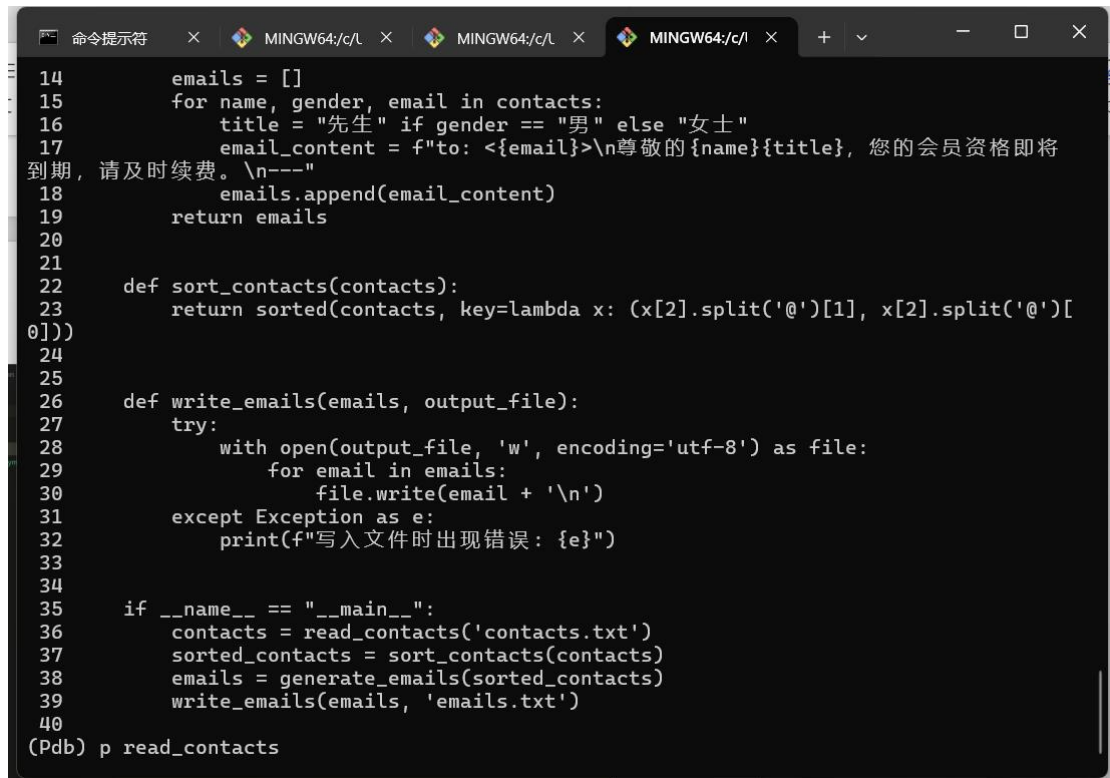
3.将“任务要求” 的文本，复制粘贴到大模型 里，请 AI 来帮助编写程序初稿



#### 4. 使用 python 生成

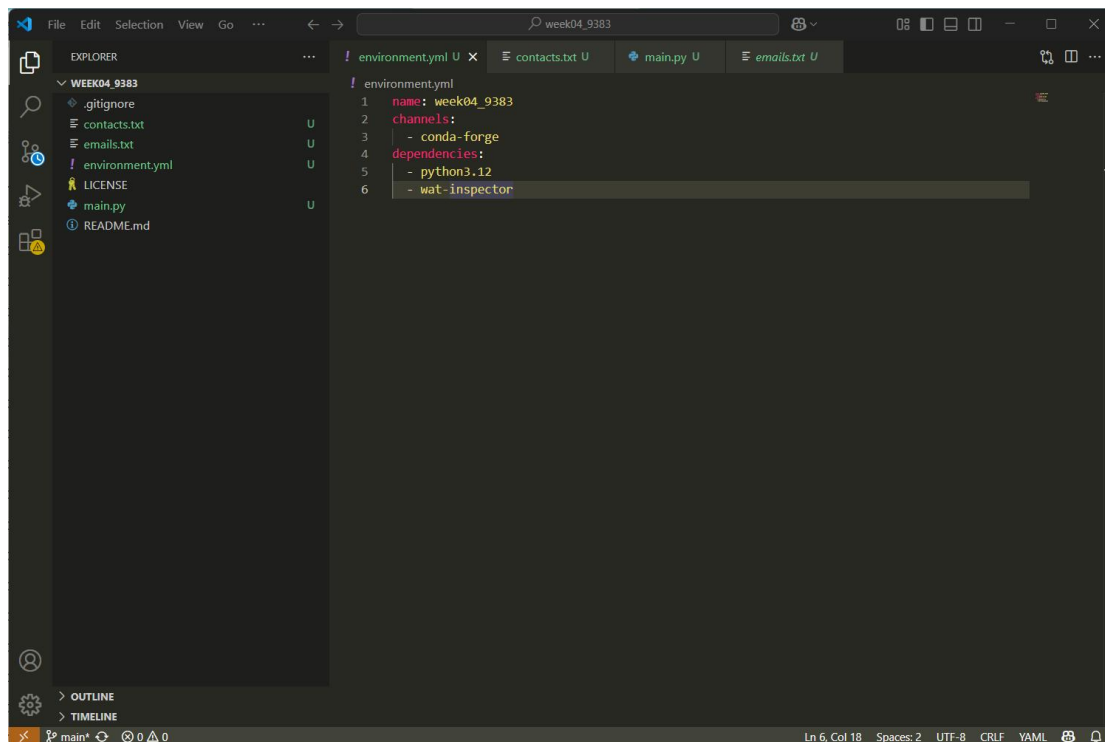


5.在 (pdb) 提示符下练习使用 l(显示代码)、n(执行当前行)、p(打印表达式)、s(步入调用)、pp(美观打印)、c(继续执行) 等命令



```
40
(Pdb) p write_emails
*** NameError: name 'write_emails' is not defined
(Pdb) l .
   8         except FileNotFoundError:
   9             print(f"错误: 未找到文件 {file_path}")
  10         return contacts
  11
  12
  13 -> def generate_emails(contacts):
  14     emails = []
  15     for name, gender, email in contacts:
  16         title = "先生" if gender == "男" else "女士"
  17         email_content = f"to: <{email}>\n尊敬的{name}{title}, 您的会员资格即将
到期, 请及时续费.\n---"
  18         emails.append(email_content)
(Pdb) l 30,39
  30             file.write(email + '\n')
  31         except Exception as e:
  32             print(f"写入文件时出现错误: {e}")
  33
  34
  35     if __name__ == "__main__":
  36         contacts = read_contacts('contacts.txt')
  37         sorted_contacts = sort_contacts(contacts)
  38         emails = generate_emails(sorted_contacts)
  39         write_emails(emails, 'emails.txt')
(Pdb) p __name__
'__main__'
(Pdb)
```

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@0000 00000000 MINGW64 ~/repo/week04_9383 (main)$ conda env
v update
D:\anzhuang\an\Lib\argparse.py:2006: FutureWarning: `remote_definition` is deprecated a
nd 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): |
```