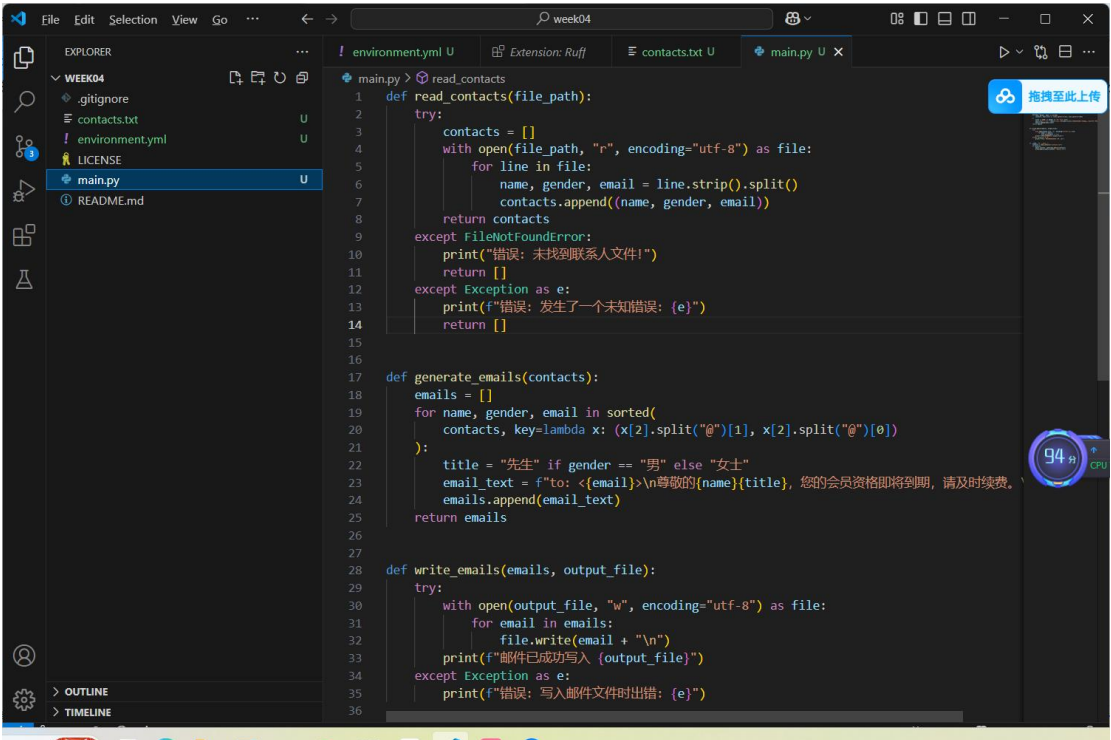
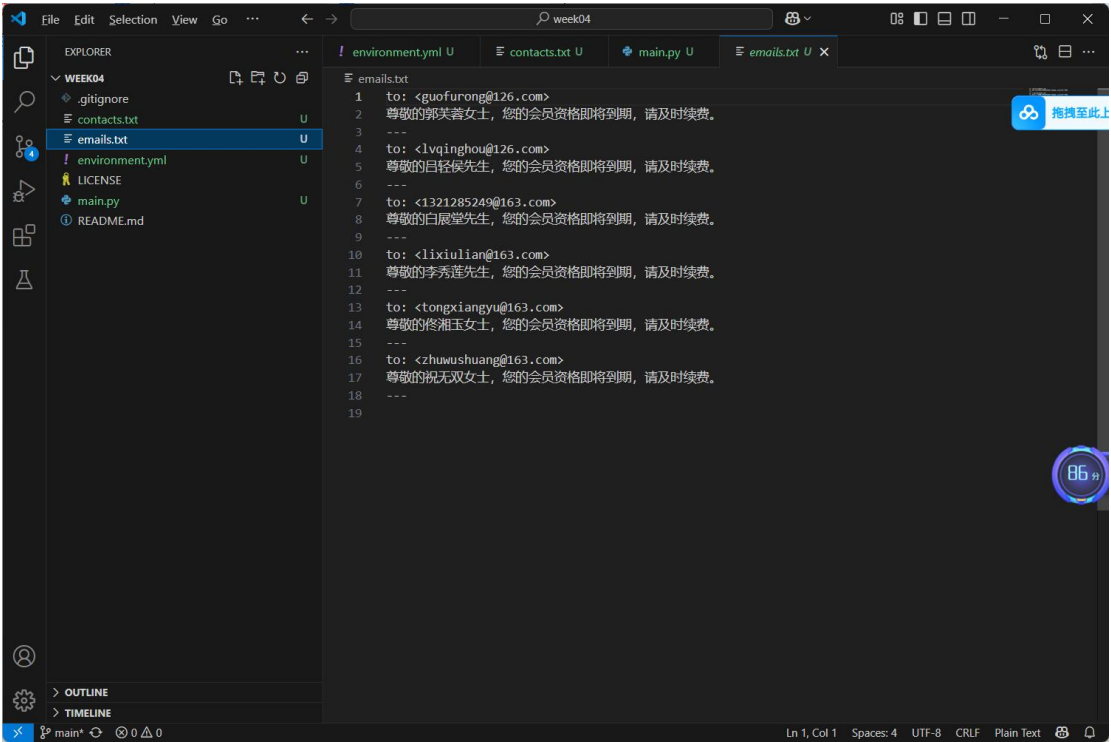


询问大模型 复制代码并保存



```
1 def read_contacts(file_path):
2     try:
3         contacts = []
4         with open(file_path, "r", encoding="utf-8") as file:
5             for line in file:
6                 name, gender, email = line.strip().split()
7                 contacts.append((name, gender, email))
8         return contacts
9     except FileNotFoundError:
10        print("错误: 未找到联系人文件!")
11        return []
12    except Exception as e:
13        print(f"错误: 发生了一个未知错误: {e}")
14        return []
15
16
17 def generate_emails(contacts):
18     emails = []
19     for name, gender, email in sorted(
20         contacts, key=lambda x: (x[2].split("@")[1], x[2].split("@")[0])
21     ):
22         title = "先生" if gender == "男" else "女士"
23         email_text = f"to: <{email}>\n尊敬的{name}{title}, 您的会员资格即将到期, 请及时续费。"
24         emails.append(email_text)
25     return emails
26
27
28 def write_emails(emails, output_file):
29     try:
30         with open(output_file, "w", encoding="utf-8") as file:
31             for email in emails:
32                 file.write(email + "\n")
33             print(f"邮件已成功写入 {output_file}")
34     except Exception as e:
35         print(f"错误: 写入邮件文件时出错: {e}")
36
```

Python 成功输出 email.txt

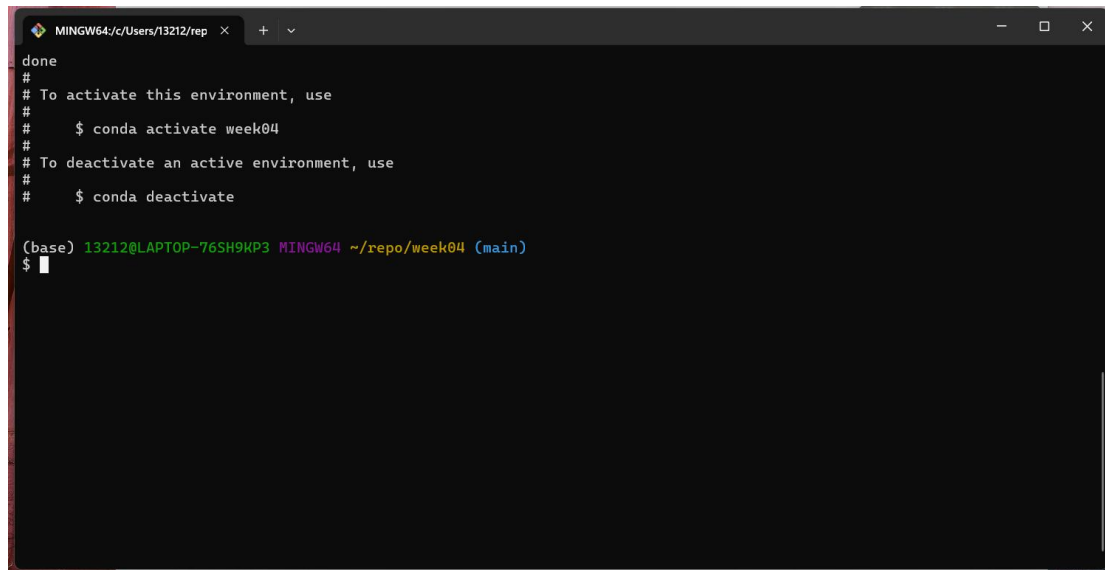


```
1 to: <guofurong@126.com>
2 尊敬的郭芙蓉女士, 您的会员资格即将到期, 请及时续费。
3 ---
4 to: <lvqinghou@126.com>
5 尊敬的吕庆侯先生, 您的会员资格即将到期, 请及时续费。
6 ---
7 to: <1321285249@163.com>
8 尊敬的白宸堂先生, 您的会员资格即将到期, 请及时续费。
9 ---
10 to: <lixuolian@163.com>
11 尊敬的李秀莲先生, 您的会员资格即将到期, 请及时续费。
12 ---
13 to: <tongxiangyu@163.com>
14 尊敬的佟湘玉女士, 您的会员资格即将到期, 请及时续费。
15 ---
16 to: <zhuwushuang@163.com>
17 尊敬的祝无双女士, 您的会员资格即将到期, 请及时续费。
18 ---
19
```

启动 PDB 模式 并尝试理解

```
13212@LAPTOP-76SH9KP3 MINGW64 ~/repo/week04 (main)
$ python -m pdb main.py
> c:\users\13212\repo\week04\main.py(1)<module>()
-> def read_contacts(file_path):
(Pdb) █
```

更新 python



```
MINGW64/c/Users/13212/rep  x  +  v  -  □  x
done
#
# To activate this environment, use
#
#   $ conda activate week04
#
# To deactivate an active environment, use
#
#   $ conda deactivate

(base) 13212@LAPTOP-76SH9KP3 MINGW64 ~/repo/week04 (main)
$ █
```

学习了保留字，语句，表达式，缩进，局部变量，全局变量，函数的定义与调用等等。