

```
(base) yangzihan@LAPTOP-B9DHBGED MINGW64 ~/repoo/week04 (main)
$ git remote show origin
```

git remote show origin 查看仓库地址

```
(base) yangzihan@LAPTOP-B9DHBGED MINGW64 ~/repoo/week04 (main)
$ cat ../myproject/environment.yml
name: myproject
channels:
  - conda-forge
dependencies:
  - python=3.12
  - pandas
```

查看当前文件夹内容

```
(base) yangzihan@LAPTOP-B9DHBGED MINGW64 ~/repoo/week04 (main)
$ cp ../myproject/environment.yml ./
```

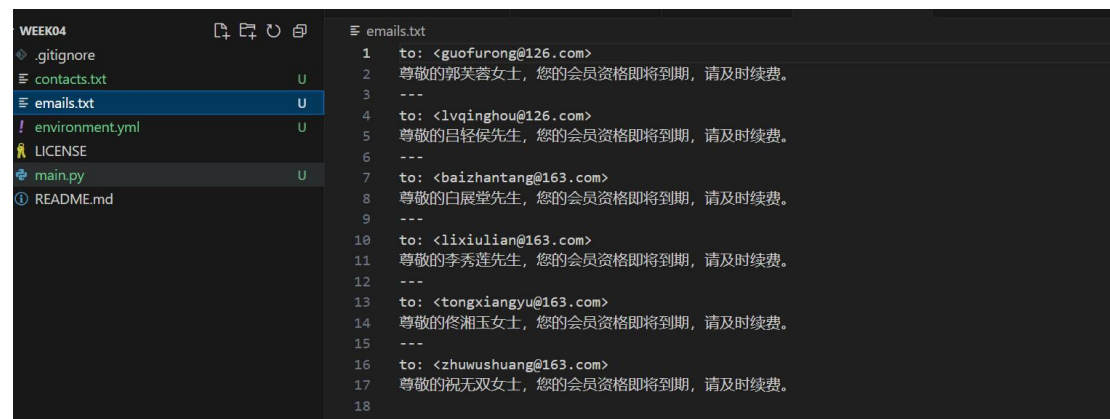
把当前内容复制到 week04

```
(base) yangzihan@LAPTOP-B9DHBGED MINGW64 ~/repoo/week04 (main)
$ cat contacts.txt environment.yml
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.comname: week04
channels:
  - conda-forge
dependencies:
  - python=3.12
```

cat 查看文件夹内容

```
(base) yangzihan@LAPTOP-B9DHBGED MINGW64 ~/repoo/week04 (main)
$ conda activate week04
(base) yangzihan@LAPTOP-B9DHBGED MINGW64 ~/repoo/week04 (main)
$
```

把 base 切换为 week04



```
WEEK04
├── .gitignore
├── contacts.txt
├── emails.txt
├── environment.yml
├── LICENSE
├── main.py
└── README.md
```

```
emails.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 尊敬的吕轻侯先生, 您的会员资格即将到期, 请及时续费。
6 ---
7 to: <baizhantang@163.com>
8 尊敬的白展堂先生, 您的会员资格即将到期, 请及时续费。
9 ---
10 to: <lixiulian@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
```

```
(week04)
yangzihan@LAPTOP-B9DHBGED MINGW64 ~/repoo/week04 (main)
$ rm emails.txt
```

删除 rm

```
yangzihan@LAPTOP-B9DHBGED MINGW64 ~/repoo/week04 (main)
$ python -m pdb main.py
```

在 python 运行后首先运行 pdb 调试器

```
(Pdb) l
1 -> def generate_emails():
2     """
```

```
(Pdb) n
> c:\users\yangzihan\repoo\week04\main.py(35)<module>()
-> if __name__ == "__main__":
    generate_emails()
```

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)

```
37
(Pdb) l .
```

当前这一行上下加五行是什么内容

红色字

Python 语法保留字 (reserved key words)

语句：逻辑上完整的一句话；表达式：构成语句的元素；

语句 (statement) 和表达式 (expression)

```
with open('contacts.txt', 'r', encoding='utf-8') as file:
    contacts = file.readlines()
```

缩进 (indent)，如冒号后面有四个空格

局部变量 (local variable)、全局变量 (global variable)、LEGB 规则

函数 (function) 的定义 (define) 和调用 (call)

字面值 (literal) (字符串 (str)、整数 (int)、列表 (list)、字典 (dict)、元组 (tuple))

运算符 (operator)

形参 (parameter)、实参 (argument)、返回值 (return value)

对象 (object)、类型 (type)、属性 (attribute)、方法 (method)