

第四周学习报告

1. Clone 到本地计算机

```
(base)
王艳@LAPTOP-IS1SRDE0 MINGW64 ~/repo
$ git clone https://gitcode.com/bunny12345/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 | 278.00 KiB/s, done.
```

2. 查看远程仓库

```
王艳@LAPTOP-IS1SRDE0 MINGW64 ~/repo/week04 (main)
$ git remote show origin
* remote origin
  Fetch URL: https://gitcode.com/bunny12345/week04.git
  Push URL: https://gitcode.com/bunny12345/week04.git
  HEAD branch: main
  Remote branch:
    main tracked
  Local branch configured for 'git pull':
    main merges with remote main
  Local ref configured for 'git push':
    main pushes to main (up to date)
```

3. 复制路径

```
(base)
王艳@LAPTOP-IS1SRDE0 MINGW64 ~/repo/week04 (main)
$ cp ../myproject/environment.yml ./
(base)
王艳@LAPTOP-IS1SRDE0 MINGW64 ~/repo/week04 (main)
$ ls -l
total 28
-rw-r--r-- 1 王艳 197121 713 3月 29 17:23 environment.yml
-rw-r--r-- 1 王艳 197121 18805 3月 29 17:08 LICENSE
-rw-r--r-- 1 王艳 197121 2239 3月 29 17:08 README.md
```

4. 创建 conda 环境

```
(base)
王艳@LAPTOP-IS1SRDE0 MINGW64 ~/repo/week04 (main)
$ ls -l
total 28
-rw-r--r-- 1 王艳 197121 72 3月 29 17:28 environment.yml
-rw-r--r-- 1 王艳 197121 18805 3月 29 17:08 LICENSE
-rw-r--r-- 1 王艳 197121 2239 3月 29 17:08 README.md
done
#
# To activate this environment, use
#
#     $ conda activate week04
#
# To deactivate an active environment, use
#
#     $ conda deactivate
```

5. Cat 命令可以拼接

```
王艳@LAPTOP-IS1SRDE0 MINGW64 ~/repo/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
(base)
```

6. 生成 email 文件

```
王艳@LAPTOP-IS1SRDE0 MINGW64 ~/repo/week04 (main)
$ python main.py
(base)
王艳@LAPTOP-IS1SRDE0 MINGW64 ~/repo/week04 (main)
$ ls -l
total 34
-rw-r--r-- 1 王艳 197121 204 3月 29 17:35 contacts.txt
-rw-r--r-- 1 王艳 197121 661 3月 29 21:54 emails.txt
```

7. 调试器代码: `python -m pdb main.py` (先运行 PDB 的模块, 即调试器)

```
(week04)
王艳@LAPTOP-IS1SRDE0 MINGW64 ~/repo/week04 (main)
$ python -m pdb main.py
> c:\users\王艳\repo\week04\main.py(1)<module>()
-> def read_contacts(file_path):
```

8. | 显示代码

```
(week04)
王艳@LAPTOP-IS1SRDE0 MINGW64 ~/repo/week04 (main)
$ python -m pdb main.py
> c:\users\王艳\repo\week04\main.py(1)<module>()
-> def read_contacts(file_path):
(Pdb) l
1  -> def read_contacts(file_path):
2      contacts = []
3      try:
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      except FileNotFoundError:
9          print(f"错误：文件 {file_path} 未找到。") 截图(Alt + A)
10     except Exception as e:
11         print(f"错误：发生了未知错误：{e}")
(Pdb)
```

9. 'n' 执行当前行

```
(Pdb) n
> c:\users\王艳\repo\week04\main.py(15)<module>()
-> def sort_contacts(contacts):
```