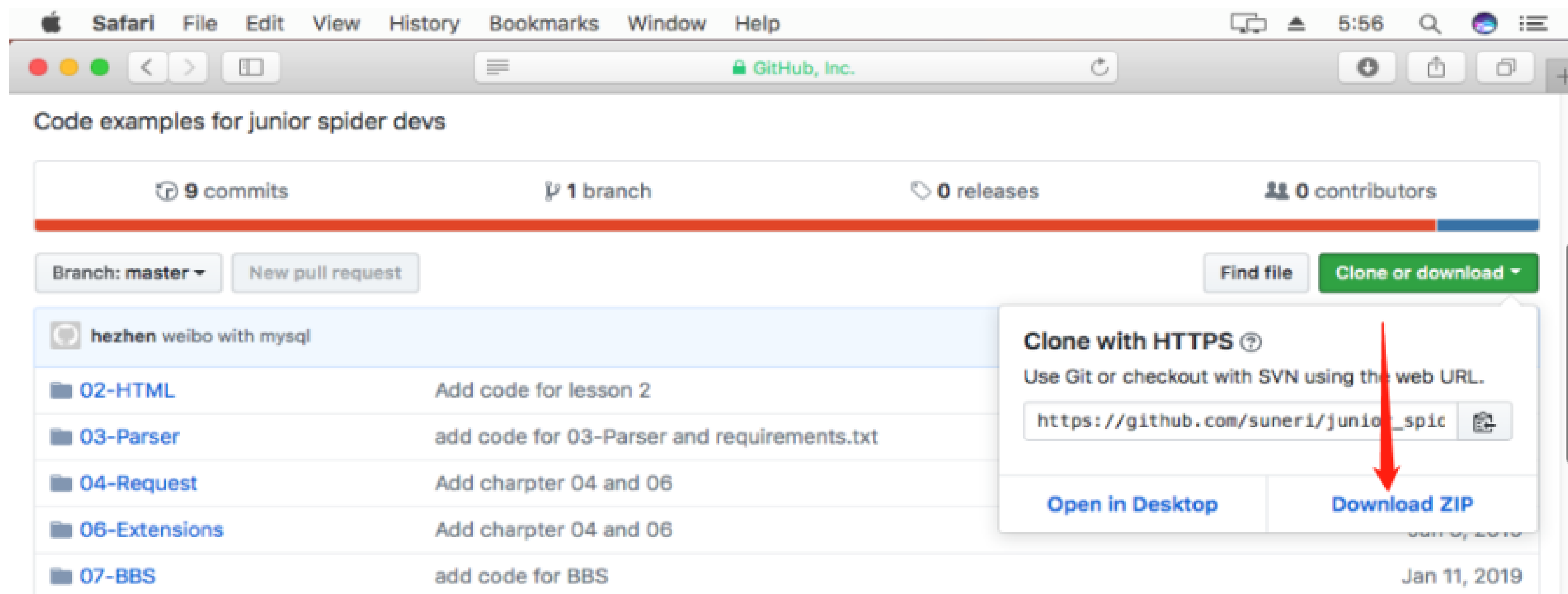


Mac下pip命令和一键安装依赖工具包

主讲：雷老师

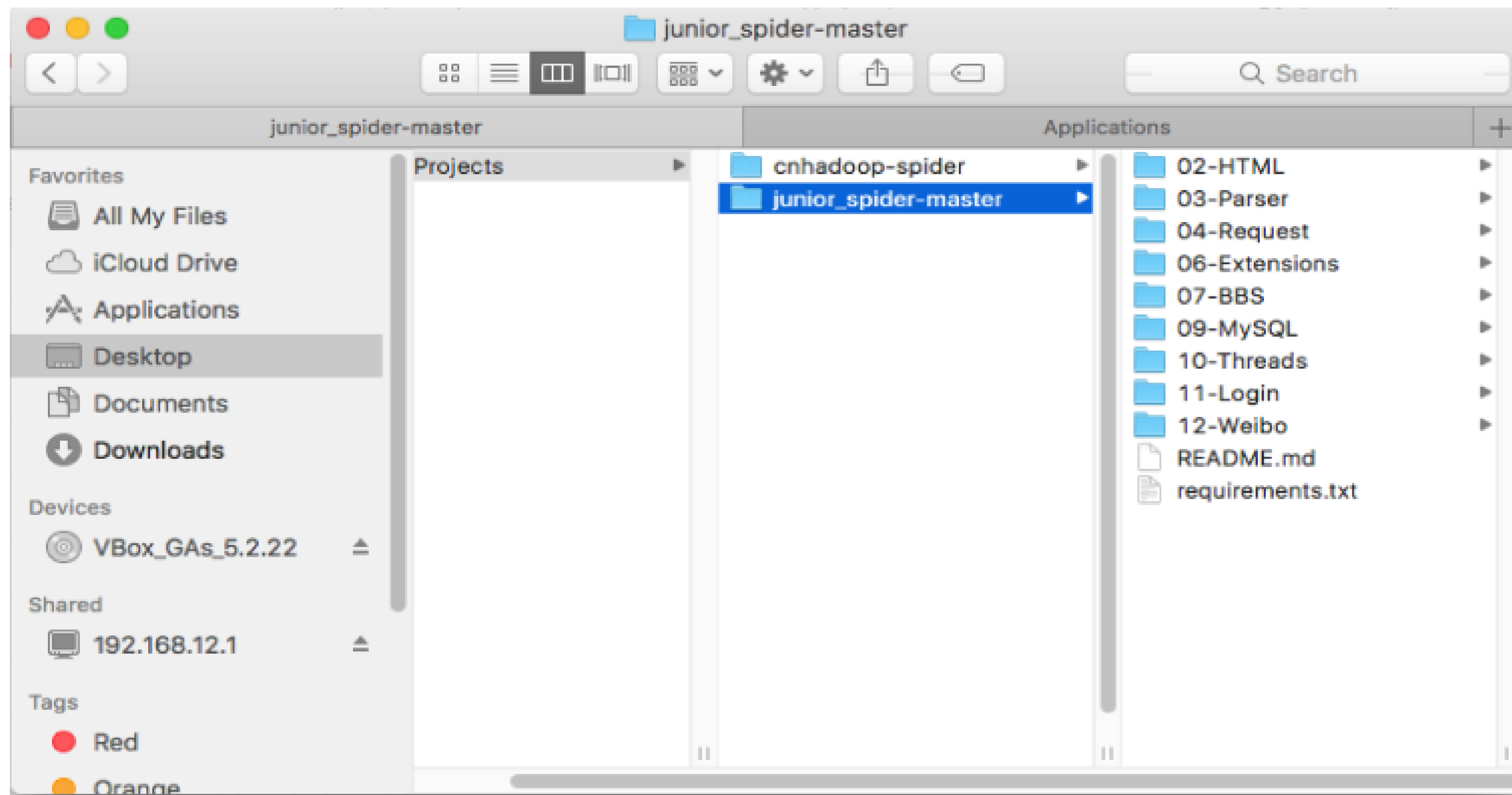
课程代码

- 在浏览器中打开https://github.com/suneri/junior_spider
- 点击 Download ZIP 下载课程代码



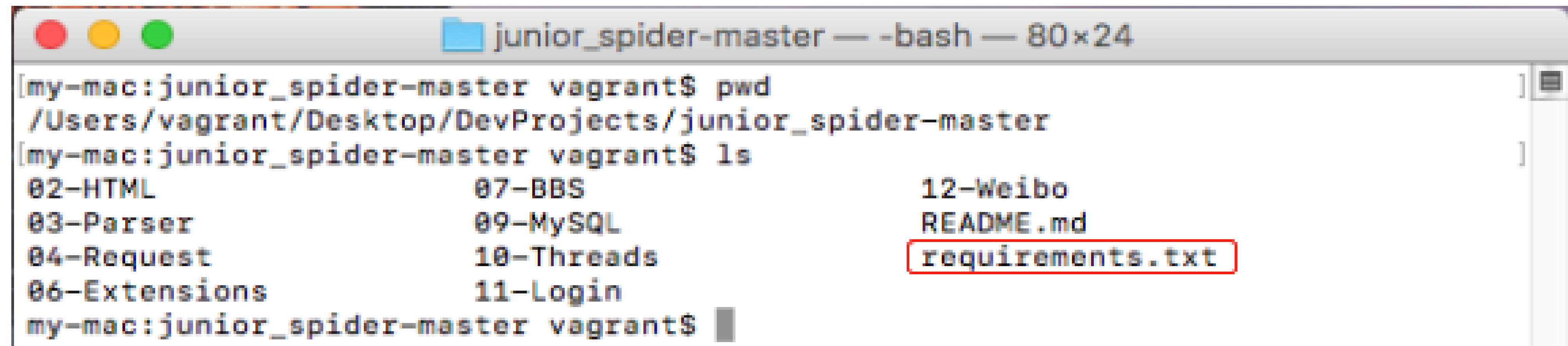
课程代码

- 下载junior_spider-master后目录显示：



课程代码

- 在Mac命令行终端下，进入junior_spider-master目录。
- 输入命令ls可以看到requirements.txt文件。



```
junior_spider-master — -bash — 80x24
[my-mac:junior_spider-master vagrant$ pwd
/Users/vagrant/Desktop/DevProjects/junior_spider-master
[my-mac:junior_spider-master vagrant$ ls
02-HTML          07-BBS          12-Weibo
03-Parser        09-MySQL        README.md
04-Request       10-Threads      requirements.txt
06-Extensions    11-Login
my-mac:junior_spider-master vagrant$
```

The screenshot shows a macOS terminal window titled "junior_spider-master — -bash — 80x24". The user runs the command `pwd` and receives the output `/Users/vagrant/Desktop/DevProjects/junior_spider-master`. Then, the user runs the command `ls`, and the terminal displays a list of files and directories: `02-HTML`, `03-Parser`, `04-Request`, `06-Extensions`, `07-BBS`, `09-MySQL`, `10-Threads`, `11-Login`, `12-Weibo`, `README.md`, and `requirements.txt`. The file `requirements.txt` is highlighted with a red rectangular box.

临时使用pip清华镜像源

- 因为国内网络比较慢，所以需要用到清华大学开源镜像站加速。
- pypi 镜像使用帮助
- <https://mirrors.tuna.tsinghua.edu.cn/help/pypi/>
- 临时使用清华镜像源
- `pip install -i https://pypi.tuna.tsinghua.edu.cn/simple some-package`
- 请将以上命令中的some-package替换成需要安装的包名，如：requests
- 这里就不单独安装工具包，后面课程提供了一键安装（后面有演示）。

默认使用pip清华镜像源

- 先升级 pip 到最新的版本
- 如下图执行命令 `pip -V` (大写字母V) 显示的版本是18.1 , 因为 $\geq 10.0.0$ 版本 , 所以也可以不执行升级pip的命令 : `pip install pip -U`
- 然后执行配置命令 `pip config set global.index-url https://pypi.tuna.tsinghua.edu.cn/simple`
- 如下图 :

```
[my-mac:junior_spider-master vagrant$ pip -V  
pip 18.1 from /Users/vagrant/anaconda3/lib/python3.7/site-packages/pip (python 3  
.7)  
[my-mac:junior_spider-master vagrant$ pip config set global.index-url https://pyp  
i.tuna.tsinghua.edu.cn/simple  
Writing to /Users/vagrant/.config/pip/pip.conf  
my-mac:junior_spider-master vagrant$
```

课程代码

- 使用课程提供的requirements.txt文件一键安装所需要的工具包。
- 如果在国内，并且已经设置好清华的pip镜像源，下面安装会非常快。
- 执行命令pip -V（大写字母V）
- 如果显示的是python3版本，则使用pip install -r requirements.txt
- 执行命令pip3 -V（大写字母V）
- 如果显示的是python3版本，则使用pip3 install -r requirements.txt

pip版本区别（补充）

- 本课程使用python3版本（注意mac下和win下显示是一样的）
- 如果本机pip -V命令显示python3版本，则使用pip

```
(base) D:\DevProjects\junior_spider-master>pip -V  
pip 18.1 from C:\ProgramData\Anaconda3\lib\site-packages\pip (python 3.7)
```

- 如果本机pip -V命令显示python2版本
- 则使用pip3 -V命令，看是否显示python3版本，则使用pip3

```
D:\DevInstall\Anaconda2\Scripts>pip -U  
pip 18.1 from D:\DevInstall\Anaconda2\lib\site-packages\pip (python 2.7)
```

```
D:\DevInstall\Anaconda2\Scripts>pip3 -U  
pip 19.0.1 from c:\users\administrator\appdata\local\programs\python\python36\lib\site-packages\pip (python 3.6)
```


一键安装依赖工具包演示

```
junior_spider-master — -bash — 80x24
[my-mac:junior_spider-master vagrant]$ pip install -r requirements.txt
Looking in indexes: https://pypi.tuna.tsinghua.edu.cn/simple
Requirement already satisfied: Pillow in /Users/vagrant/anaconda3/lib/python3.7/
site-packages (from -r requirements.txt (line 1)) (5.3.0)
Requirement already satisfied: requests in /Users/vagrant/anaconda3/lib/python3.
7/site-packages (from -r requirements.txt (line 2)) (2.21.0)
Requirement already satisfied: urllib3 in /Users/vagrant/anaconda3/lib/python3.7
/site-packages (from -r requirements.txt (line 3)) (1.24.1)
Collecting bloom-filter (from -r requirements.txt (line 4))
  Downloading https://pypi.tuna.tsinghua.edu.cn/packages/6f/85/c26819421801c5a04
a2743e329641dde22225a55153d5477c032b4f7d40e/bloom_filter-1.3-py3-none-any.whl
Collecting pymongo (from -r requirements.txt (line 5))
  Downloading https://pypi.tuna.tsinghua.edu.cn/packages/d7/ac/d2e324c1f9bcf653f
a106785371a16b4709506a35b04948655de8b961a85/pymongo-3.7.2-cp37-cp37m-macosx_10_9
_x86_64.whl (307kB)
    100% |████████████████████████████████████████| 317kB 13.2MB/s
Collecting mysql-connector (from -r requirements.txt (line 6))
  Downloading https://pypi.tuna.tsinghua.edu.cn/packages/59/e0/775bf5fb3dd4c7f9a
a6877907d4a96eecca6886c603dedfea6e843e94560/mysql-connector-2.1.6.tar.gz (11.8MB
)
    100% |████████████████████████████████████████| 11.8MB 197kB/s
Collecting selenium (from -r requirements.txt (line 7))
  Downloading https://pypi.tuna.tsinghua.edu.cn/packages/80/d6/4294f0b4bce4de0ab
f13e17190289f9d0613b0a44e5dd6a7f5ca98459853/selenium-3.141.0-py2.py3-none-any.whl
```


只为遇见明天更优秀的你！