爬虫简单入门

- 爬虫简单入门
- 爬搜狗
- 爬知呼
- 爬百度
- ...

案例1

1. 下载爬虫框架:requests

```
pip install requests
```

2.使用request爬网页流程

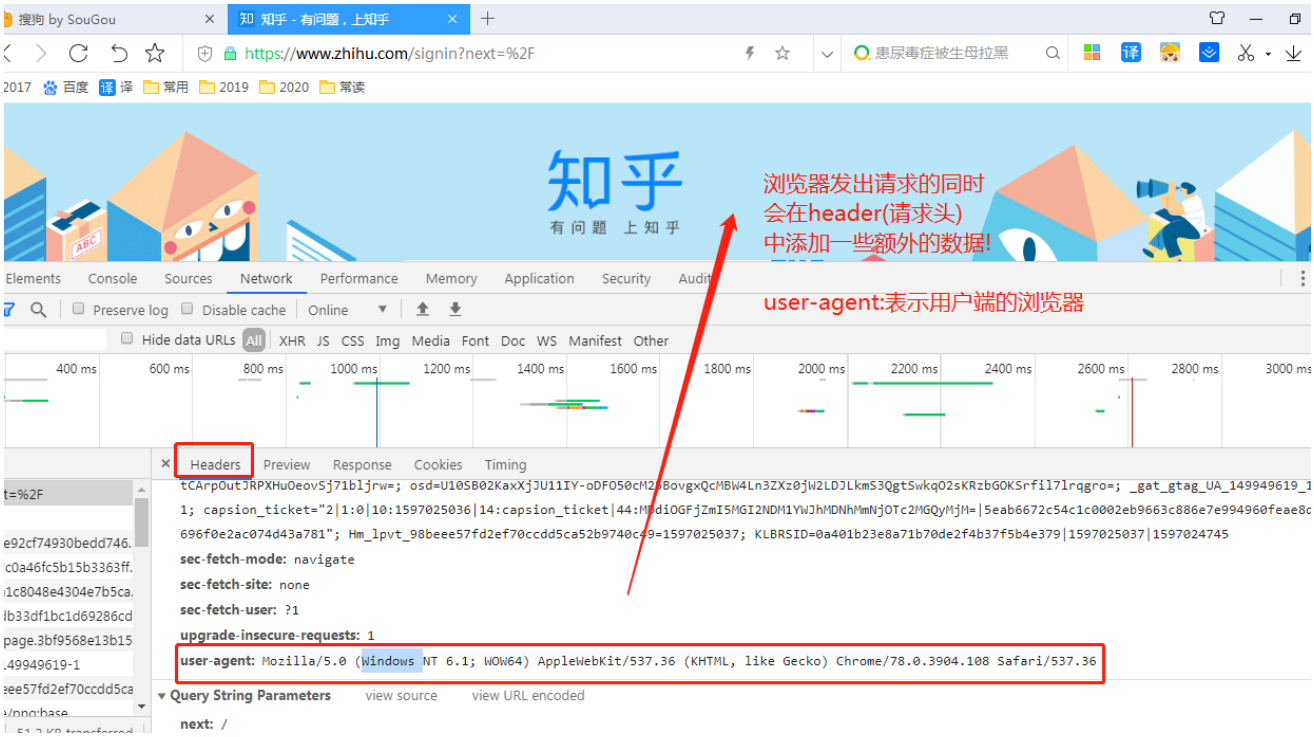
```
# 爬搜狗(用程序模拟浏览器访问搜狗)
# 1. 定义url
# 2. 发出请求
# 3. 获取响应回来的页面数据
# 4. 存储
```

```
'''
爬搜狗
1. 定义url https://www.sougou.com
2. 发起请求
3. 获取相应的页面数据
4. 存储
'''
import  requests

# 1. url (CSDN加反扒了!)
# url = 'http://www.sougou.com'
url = 'https://blog.csdn.net/qq_30242609/article/details/53788228#commentBox'
# 2. 发送请求
res = requests.get(url=url)
# 3. 获取页面数据
res_text = res.text
print(res_text)
# 4.存储(保存到数据,txt.csv.表格...)
with open('博文.html',mode='w',encoding='utf8') as f:
    f.write(res_text)
```

案例2:爬知乎

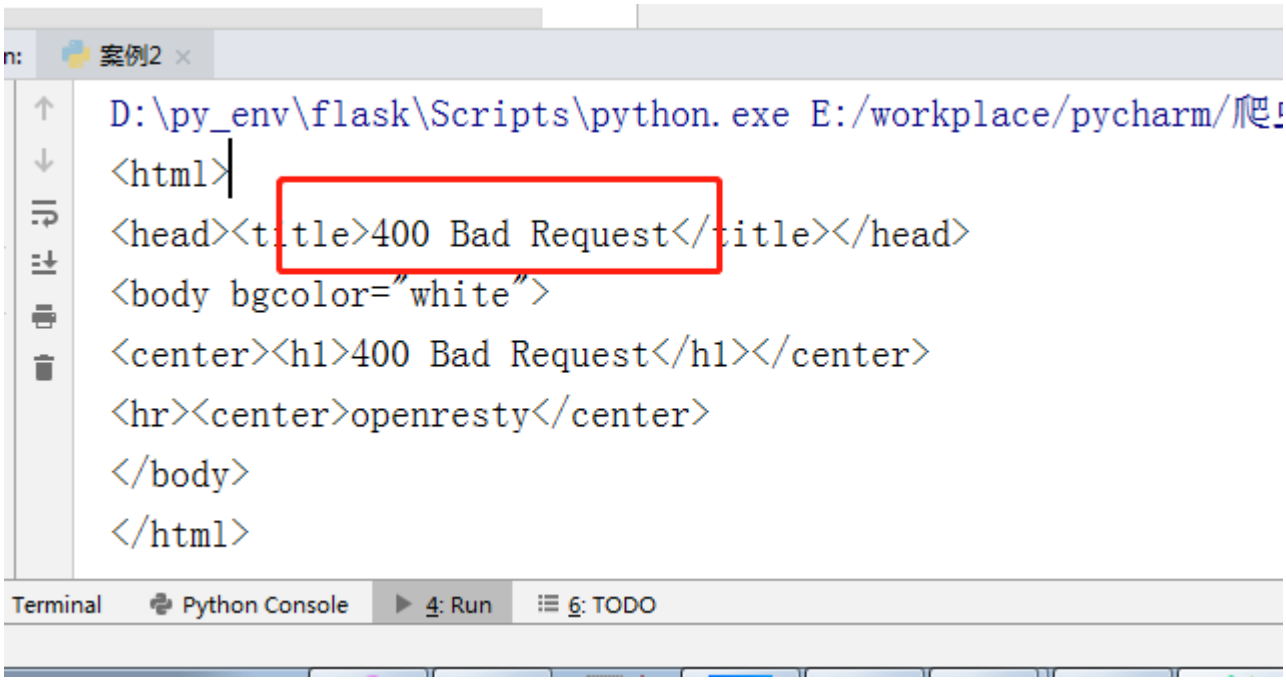
- 浏览器正常访问能得到页面. 因为请求中有user-agent变量.标识我的请求是通过浏览器发出的!




```
user-agent: Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/78.0.3904.108 Safari/537.36
```

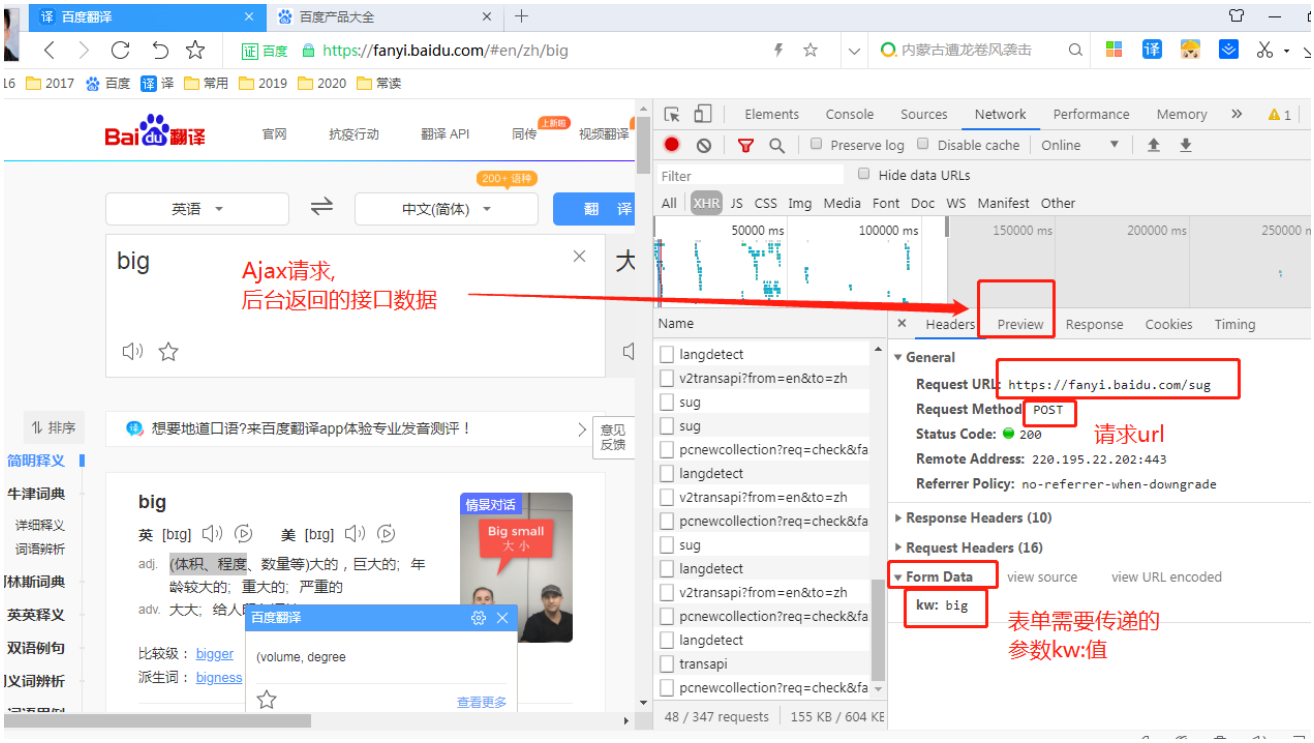
- **通过requests模块写代码访问网站,被拒绝返回空页面或错误页面**

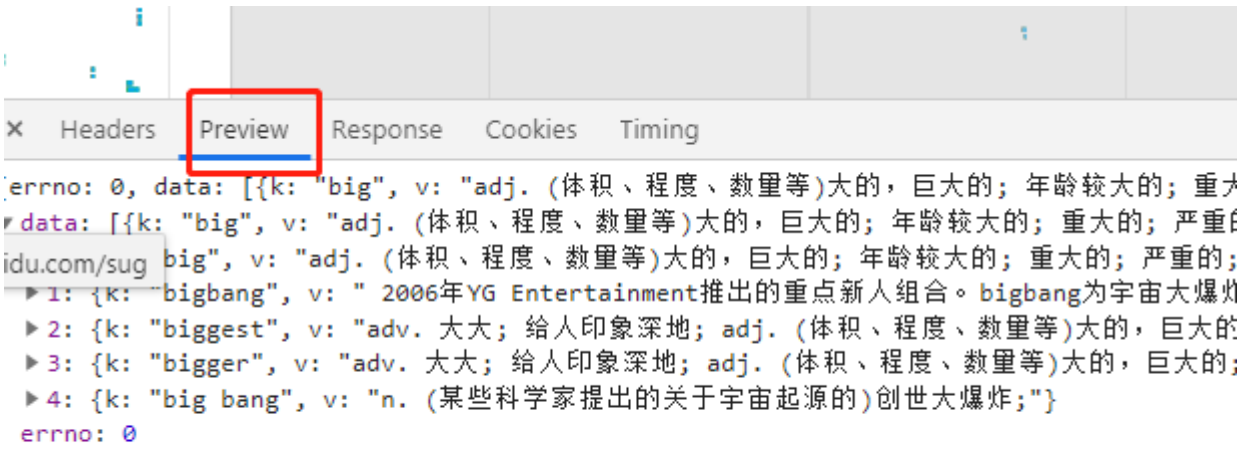
因为:被检测到不是通过浏览器访问的!




```
'''
知乎
https://www.zhihu.com
'''
import  requests
# 1.url
#url = 'https://www.zhihu.com'
url = 'https://blog.csdn.net/qq_30242609/article/details/53788228#commentBox'
# 指定请求头,记性UA伪装(伪装为浏览器)
headers = {
    'user-agent':'Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like
Gecko) Chrome/78.0.3904.108 Safari/537.36'
}
#2.请求(知乎加反扒,返回就错误页面或空页面)
respone =  requests.get(url,headers=headers)
# 3. 获取返回文本
#print(respone.text)
with open('博文2.html',mode='w',encoding='utf8') as f:
    f.write(respone.text)
```

案例3:爬百度翻译






```
'''
爬百度翻译
'''
import  requests
# 1. 地址
url ='https://fanyi.baidu.com/sug'
# 2. 发请求加请求头
h ={
    'user-agent':'Mozilla/5.0 (Windows NT 6.1; WOW64) AppleWebKit/537.36 (KHTML, like
Gecko) Chrome/78.0.3904.108 Safari/537.36'
}
# 请求加参数
print('万能英译汉:')
kw =input('请输入一个单词:')
mydata = {'kw':kw}
```

```
# get方法表示get请求，post表示post请求
response = requests.post(url,headers=h,data=mydata) # url参数,headers请求头,data参数
print(response.json()) #获取json数据
```

爬取百度产品列表

- `https://www.baidu.com/more/`
- 熟悉 reqeust的相关方法

作业

- 爬小狗照片

https://image.baidu.com/search/index?tn=baiduimage&ipn=r&ct=201326592&cl=2&lm=-1&st=-1&fm=result&fr=&sf=1&fmq=1597028621766_R&pv=&ic=&nc=1&z=&hd=&latest=©right=&se=1&showtab=0&fb=0&width=&height=&face=0&istype=2&ie=utf-8&sid=&word=小狗