

python_requests模块

1、安装

```
pip install requests
```

2、get请求

如果需要加cookie可以直接加在headers中

```
import requests
```

```
#get请求带参数
```

```
url="http://xxx/api/user/stu_info"
```

```
data={"stu_name":"矿泉水1"}
```

```
result=requests.get(url,data)
```

```
print(result.json()) #返回字典类型
```

```
print(result.text) #返回一个字符串类型
```

```
print(result.content) #返回bytes类型
```

```
#get请求无参数
```

```
url2='http://q4.qlogo.cn/g?b=qq&nk=xxx&s=140'
```

```
result2=requests.get(url2)
```

```
fw=open("jjj.png","wb") #get请求结果写入文件
```

```
fw.write(result2.content)
```

```
fw.close()
```

3、post 请求

1、传入xml格式文本

```
requests.post(url='',data='<?xml ?>',headers={'Content-Type':'text/xml'})
```

2、传入json格式文本

```
requests.post(url='',data=json.dumps({'key1':'value1','key2':'value2'}),headers={'Content-Type':'application/json'})
```

或者：

```
requests.post(url='',json={'key1':'value1','key2':'value2'},headers={'Content-Type':'application/json'})
```

3、请求正文是multipart/form-data

除了传统的application/x-www-form-urlencoded表单，我们另一个经常用到的是上传文件用的表单，这种表单的类型为multipart/form-data

```
requests.post(url='',data={'key1':'value1','key2':'value2'},headers={'Content-Type':'multipart/form-data'})
```

4、请求正文是application/x-www-form-urlencoded

默认就是这种，可以不标注headers的值

```
requests.post(url='',data={'key1':'value1','key2':'value2'},headers={'Content-Type':'application/x-www-form-urlencoded'})
```

```
import requests
```

```
#application/x-www-form-urlencoded格式
```

```
url='http://xxx/api/user/login' #地址
```

```
data={'username':'niuanyang','passwd':'aA123456'} #传参
```

```
result=requests.post(url,data) #发送POST请求
```

```
print(result.text) #打印结果
```

```
#application/json 格式
```

```
url4="http://xxx/api/user/add_stu"

header2={'Content-Type':'application/json'} #

data={

    "name":"小黑324",

    "grade":"天蝎座",

    "phone":13512532945,

    "sex":"男",

    "age":28,

    "addr":"河南省济源市北海大道32号"

}

result4=requests.post(url4,json=data,headers=header2)

print(result4.text)


#application/soap+xml 格式

url2="http://www.webxml.com.cn/WebServices/WeatherWebService.asmx"

header={'Content-Type':'application/soap+xml'} #

data=r'''<?xml version="1.0" encoding="utf-8"?>

<soap12:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"

xmlns:soap12="http://www.w3.org/2003/05/soap-envelope"><soap12:Body><getWeatherbyCityName xmlns="http://WebXml.com.cn/">

<theCityName>北京</theCityName></getWeatherbyCityName></soap12:Body></soap12:Envelope>'''

result2=requests.post(url2,data=data.encode('utf-8'),headers=header)

print(result2.text)


#上传文件

url3='http://xxx/api/file/file_upload'

result3=requests.post(url3,files={'file':open('x.jpg','rb')}) #上传文件需要用二进制方式进行打开

print(result3.text)
```