requests库

发送get请求

直接调用`resquest.get`

response = requests.get("http://www.baidu.com/")

response的一些属性

```
import requests

kw = {'wd':'中国'}

headers = {"User-Agent": "Mozilla/5.0 (Windows NT 10.0;
Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/54.0.2840.99 Safari/537.36"}

# params 接收一个字典或者字符串的查询参数，字典类型自动
转换为url编码，不需要urlencode()
response = requests.get("http://www.baidu.com/s",
params = kw, headers = headers)
# 查看响应内容，response.text 返回的是Unicode格式的数据
print(response.text)
# 查看响应内容，response.content返回的字节流数据
print(response.content)
# 查看完整url地址
print(response.url)
# 查看响应头部字符编码
print(response.encoding)
# 查看响应码
print(response.status_code)
```

response.content:直接从网络上抓取数据，未进行解码。bytes类型（硬盘和网络传输均为bytes类型）

response.text：str类型，是requests库将respose.content根据自己的猜测进行解码的字符串。导致乱码时应采用response.content.decode('utf-8')手动解码

发送post请求

直接调用`resquest.post`

```
import requests
url = 'https://www.lagou.com/jobs/positionAjax.json?
needAddtionalResult=false'
data = {
    'first': 'true',
    'pn': '1',
    'kd': 'python'
}
headers = {
    'Referer': 'https://www.lagou.com/jobs/list_python?
city=%E5%85%A8%E5%9B%BD&cl=false&fromSearch=tru
e&labelWords=&suginput=',
    'User-Agent': 'Mozilla/5.0 (Macintosh; Intel Mac OS X
10_13_6) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/
68.0.3440.106 Safari/537.36'
}
response = requests.post(url, headers=headers, data=data)
# 如果是json数据，直接可以调用json方法
print(response.json())
```

使用代理

在请求的方法中（比如get或者post）传递proxies参数

```
import requests

url = 'http://httpbin.org/ip'
proxy = {
    'http': '1.194.133.171:39383'
}
response = requests.get(url, proxies=proxy)
print(response.text)
```

处理cookie

想在多次请求中共享cookie，应使用session

```
import requests

#获取cookie
# response = requests.get('http://www.baidu.com')
# print(response.cookies.get_dict())

url = 'http://www.renren.com/PLogin.do'
data = {'email': '970138074@qq.com', 'password': 'pythonspider'}
headers = {
    'User-Agent': 'Mozilla/5.0 (Macintosh; Intel Mac OS X 10_13_6)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/68.0.3440.106
Safari/537.36'
}

session = requests.Session()
session.post(url, data=data, headers=headers)

response = session.get('http://www.renren.com/880151247/profile')

with open('renren.html', 'w', encoding='utf-8') as fp:
    fp.write(response.text)
```

处理不信任的SSL证书

```
resp = requests.get('http://www.12306.cn/mormhweb/',verify=False)
print(resp.content.decode('utf-8'))
```