

requests实战

```
1  百度翻译实战
2  把test翻译成中文
3  #!/usr/bin/env python
4  # -*- coding:utf-8 -*-
5  #====#====#====#====
6  #Author:
7  #CreatDate:
8  #Version:
9  #====#====#====#====
10 import hashlib
11 import requests
12 import pytest
13
14 #加密函数
15 def MyMd5(mystr):
16     mdmystr=hashlib.md5(mystr.encode(encoding='utf-8')).hexdigest()
17     return mdmystr
18
19 def test_baidu():
20     #url
21     url='https://fanyi-api.baidu.com/api/trans/vip/translate'
22     mdmystr=MyMd5("20210507000816969test123456sGZsjo0Y20ThznTznsRT")
23     #参数
24     data={
25         "q":"test",
26         "from":"en",
27         "to":"zh",
28         "appid":"20210507000816969",
29         "salt":"123456",
30         "sign":mdmystr
31     }
32     #20210507000816969test123456sGZsjo0Y20ThznTznsRT
33     #请求
34     res=requests.get(url,params=data)
35     #把响应转换为json格式,便于后面获取里面的内容
36     jr=res.json()
37     #获取响应后的翻译结果
38     rdata=jr['trans_result'][0]['dst']
39     #断言
40     assert rdata=="测验"
41
42
43
44 if __name__=='__main__':
45     pytest.main(['01百度翻译实战.py','-s'])
46
47
48 百度翻译升级版(翻译软件核心代码)
```

```

49 #!/usr/bin/env python
50 # -*- coding:utf-8 -*-
51 #====#====#====#====
52 #Author:
53 #CreatDate:
54 #Version:
55 #====#====#====#====
56
57 import hashlib
58 import requests
59 import pytest
60
61 #获取用户输入的信息
62 def getUserMsg():
63     print("翻译的语种范围为:中文,英文,法语,俄语,日语,韩文,西班牙,葡萄牙,阿拉伯语,德语,意大利语")
64     value=input("请输入你要翻译的内容:")
65     if value=='q':
66         return value
67     myfrom=input("请输入你的内容属于哪个语种:")
68     myto=input("请输入你要翻译成的目标语言:")
69
70     #判断用户输入的语种属于什么代码
71     mydict={"中文":"zh",'英文':'en','法语':'fra',
72            '俄语':'ru','日语':'jp','韩文':'kor',
73            '西班牙':'spa','葡萄牙':'pt','阿拉伯语':'ara',
74            '德语':'de','意大利语':'it'}
75
76     return value,mydict[myfrom],mydict[myto]
77
78 #加密函数
79 def MyMd5(mystr):
80     mdmystr=hashlib.md5(mystr.encode(encoding='utf-8')).hexdigest()
81     return mdmystr
82
83 #测试用例,也是业务函数
84 def test_maker():
85     while True:
86         usermsglist=getUserMsg()
87         if usermsglist[0]=='q':
88             break
89
90         url = 'https://fanyi-api.baidu.com/api/trans/vip/translate'
91         mdmystr =
MyMd5("20210507000816969"+usermsglist[0]+"123456sGZsjo0Y20ThznTznsRT")
92         # 参数
93         data = {
94             "q": usermsglist[0],
95             "from": usermsglist[1],
96             "to": usermsglist[2],
97             "appid": "20210507000816969",
98             "salt": "123456",
99             "sign": mdmystr

```

```

100     }
101     # 20210507000816969test123456sGZsjo0Y20ThznTznsRT
102     # 请求
103     res = requests.get(url, params=data)
104     # 把响应转换为json格式,便于后面获取里面的内容
105     jr = res.json()
106     # 获取响应后的翻译结果
107     rdata = jr['trans_result'][0]['dst']
108     print("翻译的结果为:",rdata)
109
110 test_maker()

```

unittest框架和requests结合

```

1  测试后台程序4个接口
2
3  #!/usr/bin/env python
4  # -*- coding:utf-8 -*-
5  #====#====#====#====
6  #Author:
7  #CreateDate:
8  #Version:
9  #====#====#====#====
10 import requests
11 import unittest
12 import time
13
14 class Maker(unittest.TestCase):
15     @classmethod
16     def setUpClass(cls):
17         cls.url='http://127.0.0.1:8808/api '
18         globals()['n']=0
19
20     def setUp(self):
21         n=globals()['n']
22         #每个用例的预期结果
23         if n==0:
24             self.mydata={"code":"200","msg":"成功","data":None}
25         elif n==1:
26             self.mydata={"code":"200","msg":"成功","data":"maker"}
27         elif n==2:
28             self.mydata={"code":"200","msg":"成功","data":"maker"}
29         elif n==3:
30             self.mydata={"code": "200","msg":"成功","data": {
31                 "id": 0,
32                 "money": "金额",
33                 "name": "测试",
34                 "number": "等级"
35             }}
36

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37
38     #get无参
39     def test_get(self):
40         globals()['n']= 1
41         print("test_get")
42         res=requests.get(self.url+'/block')
43         print(self.mydata)
44         #实际结果
45         rj=res.json()
46         self.assertEqual(rj,self.mydata,'用例未通过')
47
48     #get有参数
49     def test_getmaker(self):
50         globals()['n']= 2
51         print("test_getmaker")
52         data={"name":"maker","passwd":"123456","email":"75242424@qq.com"}
53         res=requests.get(self.url+'/block/register',params=data)
54         print(self.mydata)
55         # 实际结果
56         rj = res.json()
57         self.assertEqual(rj, self.mydata, '用例未通过')
58
59     #post表单
60     def test_post(self):
61         globals()['n'] = 3
62         print("test_post")
63         data={"name":"maker","passwd":"123456"}
64         res=requests.post(self.url+'/block/login',data=data)
65         print(self.mydata)
66         # 实际结果
67         rj = res.json()
68         self.assertEqual(rj, self.mydata, '用例未通过')
69
70     #post的json
71     def test_postjson(self):
72         print("test_postjson")
73         data={"name":"maker"}
74         res = requests.post(self.url + '/block/msg', json=data)
75         print(self.mydata)
76         # 实际结果
77         rj = res.json()
78         self.assertEqual(rj, self.mydata, '用例未通过')
79
80 if __name__=='__main__':
81     unittest.main()

```

requests参数化-csv文件

- 1 目的:
- 2 把csv文件中的中文词汇翻译成英文,写到csv对应的地方
- 3
- 4 #!/usr/bin/env python

```
5 # -*- coding:utf-8 -*-
6 #====#====#====#====
7 #Author:
8 #CreatDate:
9 #Version:
10 #====#====#====#====
11 import csv
12 import requests
13
14 #读csv
15 def ReadCsv(filename):
16     mylist=[]
17     with open(filename, 'r',encoding='utf-8') as f:
18         obj = csv.reader(f)
19         print(obj)
20         for i in obj:
21             mylist.append(i)
22     return mylist
23
24 # ReadCsv("data3.csv")
25
26 #写csv
27 def writeCsv(mylist,newmylist):
28     with open("data3.csv",'w',encoding='utf8',newline='') as f:
29         #需要把f转换为csv对象
30         obj=csv.writer(f)
31         for i in range(2):
32             print(mylist[i] + newmylist[i])
33             obj.writerow(mylist[i]+newmylist[i])
34
35 #
36 mylist=ReadCsv("data3.csv")
37 print(len(mylist))
38 newmylist=[[],["hello"],["baye"]]
39 writeCsv(mylist,newmylist)
40 代码为完成
```