# 30daytest.py

import random  
import os  
# 中文测试  
def do(times):  
 sum = 0  
 for i in range(times):  
 for i in range(30):  
 v = random.randint(1,99)  
 sum+=v  
 with open('total.txt', 'a+') as f:  
 f.write('%d\n' % sum)  
 sum=0  
 f.close()  
  
if \_\_name\_\_ == '\_\_main\_\_':  
 do(1000)  
 file = open('total.txt', 'r')  
 total = file.readlines()  
 sum = 0  
 for i in total:  
 v = int(i)  
 sum+=v  
 print(sum/len(total))  
 sum = 0  
 file.close()  
 os.remove('total.txt')

# checkin.py

#coding:utf-8  
import requests  
'''  
POST https://kexue.ga/user/checkin HTTP/1.1  
Host: kexue.ga  
Connection: keep-alive  
Content-Length: 0  
Accept: application/json, text/javascript, \*/\*; q=0.01  
X-Requested-With: XMLHttpRequest  
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/79.0.3945.130 Safari/537.36  
Origin: https://kexue.ga  
Sec-Fetch-Site: same-origin  
Sec-Fetch-Mode: cors  
Referer: https://kexue.ga/user  
Accept-Encoding: gzip, deflate, br  
Accept-Language: zh-CN,zh;q=0.9  
Cookie: \_ga=GA1.2.1108560974.1582044168; \_gid=GA1.2.440994682.1582044168; uid=1340; email=1657802074%40qq.com; key=992d68c875713e0e5dde16b05d9292baac4bba2afcd46; ip=ff71a0e20f3dd31578f8c59231e7fc66; expire\_in=1582648976  
  
'''  
header={  
 'User-Agent': 'Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/79.0.3945.130 Safari/537.36',  
 'Referer': 'https://kexue.ga/user',  
 'Cookie': '\_ga=GA1.2.1108560974.1582044168; \_gid=GA1.2.440994682.1582044168; uid=1340; email=1657802074%40qq.com; key=992d68c875713e0e5dde16b05d9292baac4bba2afcd46; ip=ff71a0e20f3dd31578f8c59231e7fc66; expire\_in=1582648976'  
}  
def checkin():  
 url = 'https://kexue.ga/user/checkin'  
 res = requests.post(url,header)  
 return res  
  
if \_\_name\_\_ == '\_\_main\_\_':  
 res = checkin()  
 print(res.content.decode())

# cookies2dict.py

def cookies2dict(cookies):  
 items = cookies.split(';')  
 d = {}  
 for item in items:  
 kv = item.split('=',1)  
 k = kv[0]  
 v = kv[1]  
 d[k] = v  
 return d

# get\_rest.py

import requests  
from header2dict import header2dict  
from bs4 import BeautifulSoup  
url = "https://kexue.ga/auth/login"  
header = '''Host: kexue.ga  
 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:73.0) Gecko/20100101 Firefox/73.0  
 Accept: application/json, text/javascript, \*/\*; q=0.01  
 Accept-Language: zh-CN,zh;q=0.8,zh-TW;q=0.7,zh-HK;q=0.5,en-US;q=0.3,en;q=0.2  
 Accept-Encoding: gzip, deflate, br  
 X-Requested-With: XMLHttpRequest  
 Origin: https://kexue.ga  
 Connection: keep-alive  
 Referer: https://kexue.ga/user  
 Cookie: \_ga=GA1.2.711495693.1580472729; \_gid=GA1.2.615565355.1582277312; uid=1340; email=1657802074%40qq.com; key=7d5c895664ee210ade1837f973b78dd246832a8d6de0b; ip=cc6600ab77608f3c585450cab8d0fd5f; expire\_in=1582882112; \_gat=1  
 Content-Length: 0  
 TE: Trailers'''  
# header = '''Host: kexue.ga  
# User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:73.0) Gecko/20100101 Firefox/73.0  
# Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,\*/\*;q=0.8  
# Accept-Language: zh-CN,zh;q=0.8,zh-TW;q=0.7,zh-HK;q=0.5,en-US;q=0.3,en;q=0.2  
# Accept-Encoding: gzip, deflate, br  
# Connection: keep-alive  
# Referer: https://kexue.ga/auth/login  
# Cookie: \_ga=GA1.2.711495693.1580472729; \_gid=GA1.2.615565355.1582277312; ip=202184d6d3792987b8e9baa008095ca9; expire\_in=1582884173; \_gat=1; uid=1662; email=1144324368%40qq.com; key=5eefd57b9c8d2dcf81ae6d9b113c81dce70fc12075c6b  
# Upgrade-Insecure-Requests: 1  
# TE: Trailers'''  
header = header2dict(header)  
data = {  
 'email': '1657802074@qq.com',  
 'passwd': '2231841',  
 'code':'',  
 'remeber\_me': 'week'  
}  
# data = {  
# 'email': '1144324368@qq.com',  
# 'passwd': '2231841.',  
# 'code':'',  
# 'remeber\_me': 'week'  
# }  
  
session = requests.session()  
print('正在登陆。。。')  
res = session.post(url,data,header)  
login\_status = res.status\_code  
if login\_status == 200:  
 print('已访问到登录页面')  
login\_result = res.json()  
if login\_result['ret'] == 1:  
 print(login\_result['msg'])

# header2dict.py

def header2dict(header):  
 items = header.split('\n')  
 dict\_ = {}  
 index = 0  
 for item in items:  
 temp = item.split(':')  
 k = temp[0]  
 v = temp[1]  
 dict\_[k]=v  
 return dict\_  
  
if \_\_name\_\_ == '\_\_main\_\_':  
 header = '''Host: kexue.ga  
 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:73.0) Gecko/20100101 Firefox/73.0  
 Accept: application/json, text/javascript, \*/\*; q=0.01  
 Accept-Language: zh-CN,zh;q=0.8,zh-TW;q=0.7,zh-HK;q=0.5,en-US;q=0.3,en;q=0.2  
 Accept-Encoding: gzip, deflate, br  
 X-Requested-With: XMLHttpRequest  
 Origin: https://kexue.ga  
 Connection: keep-alive  
 Referer: https://kexue.ga/user  
 Cookie: \_ga=GA1.2.711495693.1580472729; \_gid=GA1.2.615565355.1582277312; uid=1340; email=1657802074%40qq.com; key=7d5c895664ee210ade1837f973b78dd246832a8d6de0b; ip=cc6600ab77608f3c585450cab8d0fd5f; expire\_in=1582882112; \_gat=1  
 Content-Length: 0  
 TE: Trailers'''  
 header2dict(header)

# login.py

'''  
POST https://kexue.ga/auth/login HTTP/1.1  
Host: kexue.ga  
Connection: keep-alive  
Content-Length: 63  
Accept: application/json, text/javascript, \*/\*; q=0.01  
X-Requested-With: XMLHttpRequest  
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/79.0.3945.130 Safari/537.36  
Content-Type: application/x-www-form-urlencoded; charset=UTF-8  
Origin: https://kexue.ga  
Sec-Fetch-Site: same-origin  
Sec-Fetch-Mode: cors  
Referer: https://kexue.ga/auth/login  
Accept-Encoding: gzip, deflate, br  
Accept-Language: zh-CN,zh;q=0.9  
Cookie: \_ga=GA1.2.1108560974.1582044168; \_gid=GA1.2.440994682.1582044168; \_gat=1  
  
email=1657802074%40qq.com&passwd=2231841&code=&remember\_me=week  
'''  
import requests  
from header2dict import header2dict  
from bs4 import BeautifulSoup  
url = "https://kexue.ga/auth/login"  
header = '''Host: kexue.ga  
 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:73.0) Gecko/20100101 Firefox/73.0  
 Accept: application/json, text/javascript, \*/\*; q=0.01  
 Accept-Language: zh-CN,zh;q=0.8,zh-TW;q=0.7,zh-HK;q=0.5,en-US;q=0.3,en;q=0.2  
 Accept-Encoding: gzip, deflate, br  
 X-Requested-With: XMLHttpRequest  
 Origin: https://kexue.ga  
 Connection: keep-alive  
 Referer: https://kexue.ga/user  
 Cookie: \_ga=GA1.2.711495693.1580472729; \_gid=GA1.2.615565355.1582277312; uid=1340; email=1657802074%40qq.com; key=7d5c895664ee210ade1837f973b78dd246832a8d6de0b; ip=cc6600ab77608f3c585450cab8d0fd5f; expire\_in=1582882112; \_gat=1  
 Content-Length: 0  
 TE: Trailers'''  
# header = '''Host: kexue.ga  
# User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:73.0) Gecko/20100101 Firefox/73.0  
# Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,\*/\*;q=0.8  
# Accept-Language: zh-CN,zh;q=0.8,zh-TW;q=0.7,zh-HK;q=0.5,en-US;q=0.3,en;q=0.2  
# Accept-Encoding: gzip, deflate, br  
# Connection: keep-alive  
# Referer: https://kexue.ga/auth/login  
# Cookie: \_ga=GA1.2.711495693.1580472729; \_gid=GA1.2.615565355.1582277312; ip=202184d6d3792987b8e9baa008095ca9; expire\_in=1582884173; \_gat=1; uid=1662; email=1144324368%40qq.com; key=5eefd57b9c8d2dcf81ae6d9b113c81dce70fc12075c6b  
# Upgrade-Insecure-Requests: 1  
# TE: Trailers'''  
header = header2dict(header)  
data = {  
 'email': '1657802074@qq.com',  
 'passwd': '2231841',  
 'code':'',  
 'remeber\_me': 'week'  
}  
# data = {  
# 'email': '1144324368@qq.com',  
# 'passwd': '2231841.',  
# 'code':'',  
# 'remeber\_me': 'week'  
# }  
  
session = requests.session()  
print('正在登陆。。。')  
res = session.post(url,data,header)  
login\_status = res.status\_code  
if login\_status == 200:  
 print('已访问到登录页面')  
login\_result = res.json()  
if login\_result['ret'] == 1:  
 print(login\_result['msg'])  
  
  
  
checkin\_url = 'https://kexue.ga/user/checkin'  
print('正在签到。。。')  
res2 = session.post(checkin\_url)  
checkin\_status = res2.status\_code  
if checkin\_status == 200:  
 checkin\_result = res2.json()  
 print(checkin\_result['msg'])  
  
user\_url = 'https://kexue.ga/user'  
print('转到用户中心页面')  
res2 = session.get(user\_url)  
user\_status = res2.status\_code  
if user\_status == 200:  
 soup = BeautifulSoup(res2.text, 'html.parser')  
 div = soup.find(name='code', class\_='card-tag tag-green')  
 print("流量剩余: "+div.text)

# main.py

import time  
import pandas as pd  
from bs4 import BeautifulSoup  
from selenium import webdriver  
from selenium.webdriver.support.ui import WebDriverWait  
from selenium.webdriver.common.by import By  
from selenium.webdriver.support import expected\_conditions as EC  
chrom\_driver = 'E:/driver/chromedriver.exe'  
browser = webdriver.Chrome(executable\_path=chrom\_driver)  
chrome\_options = webdriver.ChromeOptions()  
chrome\_options.add\_argument('--start-maximized') # 最大化运行（全屏窗口）,不设置，取元素会报错  
chrome\_options.add\_argument('--disable-infobars') # 禁用浏览器正在被自动化程序控制的提示  
chrome\_options.add\_argument('--incognito') # 隐身模式（无痕模式）  
chrome\_options.add\_argument('--headless') # 浏览器不提供可视化页面  
print('运行中。。。')  
# browser.get('http://www.baidu.com/')  
# input = browser.find\_element\_by\_id('kw')  
# input.send\_keys('test')  
# submit = browser.find\_element\_by\_id('su')  
# submit.click()  
browser.get('http://kexue.ga/')  
login = browser.find\_element\_by\_tag\_name('nav')  
login.find\_element\_by\_tag\_name('a')  
login.click()

# register.py

'''  
POST https://kexue.ga/auth/register HTTP/1.1  
Host: kexue.ga  
Connection: keep-alive  
Content-Length: 120  
Accept: application/json, text/javascript, \*/\*; q=0.01  
X-Requested-With: XMLHttpRequest  
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/79.0.3945.130 Safari/537.36  
Content-Type: application/x-www-form-urlencoded; charset=UTF-8  
Origin: https://kexue.ga  
Sec-Fetch-Site: same-origin  
Sec-Fetch-Mode: cors  
Referer: https://kexue.ga/auth/register  
Accept-Encoding: gzip, deflate, br  
Accept-Language: zh-CN,zh;q=0.9  
Cookie: \_ga=GA1.2.1108560974.1582044168; \_gid=GA1.2.440994682.1582044168; ip=ff71a0e20f3dd31578f8c59231e7fc66; expire\_in=1582648976  
  
email=1144324368%40qq.com&name=hutz&passwd=2231841.&repasswd=2231841.&wechat=1144324368&imtype=2&code=0&emailcode=251494  
'''

# send.py

'''  
POST https://kexue.ga/auth/send HTTP/1.1  
Host: kexue.ga  
Connection: keep-alive  
Content-Length: 25  
Accept: application/json, text/javascript, \*/\*; q=0.01  
X-Requested-With: XMLHttpRequest  
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/79.0.3945.130 Safari/537.36  
Content-Type: application/x-www-form-urlencoded; charset=UTF-8  
Origin: https://kexue.ga  
Sec-Fetch-Site: same-origin  
Sec-Fetch-Mode: cors  
Referer: https://kexue.ga/auth/register  
Accept-Encoding: gzip, deflate, br  
Accept-Language: zh-CN,zh;q=0.9  
Cookie: \_ga=GA1.2.1108560974.1582044168; \_gid=GA1.2.440994682.1582044168; ip=ff71a0e20f3dd31578f8c59231e7fc66; expire\_in=1582648976; \_gat=1  
  
email=1144324368%40qq.com  
'''  
import requests  
  
url='https://kexue.ga/auth/send'  
  
data={  
 'email': '2686755929@qq.com'  
}  
  
res = requests.post(url,data)  
print(res.content.decode())

# user.py

import requests  
  
url = 'https://kexue.ga/user'  
  
header={  
 'User-Agent': 'Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/79.0.3945.130 Safari/537.36',  
 'Referer': 'https://kexue.ga/auth/login'  
}  
data = {  
 'email': '1657802074@qq.com',  
 'passwd': '2231841',  
 'code':'',  
 'remeber\_me': 'week'  
}  
cookie = '\_ga=GA1.2.711495693.1580472729; \_gid=GA1.2.615565355.1582277312; uid=1340; email=1657802074%40qq.com; key=7d5c895664ee210ade1837f973b78dd246832a8d6de0b; ip=cc6600ab77608f3c585450cab8d0fd5f; expire\_in=1582882112'  
from cookies2dict import cookies2dict  
  
cookies = cookies2dict(cookie)  
header['Cookie'] = cookies  
print(header)  
  
# res = requests.post(url,data,header)  
# print(res.content.decode())