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import re
import json
import math
import datetime
import requests
import urllib.request
import urllib.error
import urllib.parse
import lxml
from bs4 import BeautifulSoup

naver_client_id = "MoeRmRBjpXySVIwVa5nd"
naver_client_secret = "QT05qM9g5x"
if __name__ == '__main__':
    no=0
    query="컴퓨터"
    display=10
    start=1
    sort="date"

    fs=open(query+".txt",'a',encoding='utf-8')
    fs.close()

def get_blog_count(query,display):
    encode_query=urllib.parse.quote(query)

    search_url ="https://openapi.naver.com/v1/search/blog?query=" + encode_query

    request =urllib.request.Request(search_url)

    request.add_header("X-Naver-Client-Id",naver_client_id)
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request.add_header("X-Naver-Client-Secret",naver_client_secret)

response =urllib.request.urlopen(request)

response_code=response.getcode()

if response_code ==200:
    response_body=response.read()
    response_body_dict=json.loads(response_body.decode('utf-8'))

    print("lastBuildDate:"+str(response_body_dict['lastBuildDate']))
    print("total:"+str(response_body_dict['total']))
    print("start:"+str(response_body_dict['start']))
    print("display:"+str(response_body_dict['display']))

    if response_body_dict['total']==0:
        blog_count=0
    else:
        blog_total=math.ceil(response_body_dict['total'] / int(display))
        if blog_total >=1000:
            blog_count=1000
        else:
            blog_count=blog_total
        print("블로그 전체수:" +str(blog_total))
        print("블로그 갯수:" +str(blog_count))
    return blog_count
def get_blog_post(query,display, start_index,sort):
    global no, fs
    encode_query=urllib.parse.quote(query)

    search_url="https://openapi.naver.com/v1/search/blog?query="+encode_query+"\
        "&display="+str(display)+"&start=" +str(start_index)+"&sort="+sort

    request=urllib.request.Request(search_url)

    request.add_header("X-Naver-Client-Id",naver_client_id)
    request.add_header("X-Naver-Client-Secret",naver_client_secret)

    response =urllib.request.urlopen(request)

    response_code=response.getcode()
    if response_code ==200:
        response_body=response.read()
        response_body_dict=json.loads(response_body.decode('utf-8'))

        for item_index in range(0, len(response_body_dict['items'])):
            try:
                remove_html_tag=re.complie('<.*?')
                title=re.sub(remove_html_tag, '',response_body_dict['items'][item_index]['title'])
                link=response_body_dict['items'][item_index]['link'].replace("amp;", "")
                description=re.sub(remove_html_tag, '',response_body_dict['items'][item_index]['description'])

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blogger_name=response_body_dict['items'][item_index]['bloggername']
blogger_link=response_body_dict['items'][item_index]['bloggerlink']
post_date=response_body_dict['items'][item_index]['postdate']
no+=1
fs.write(str(no)+"건"+title+"\n"+link+"\n"+description+"\n"+blogger_name+"\n"\
        +blogger_link+"\n"+post_date+"\n"+"-----"+'\n')
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except:
    item_index+=1
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if __name__ == '__main__':
    query =input("검색 질의: ")
    no=0
    display=10
    start=1
    sort="date"

    fs=open(query+".txt",'a',encoding='utf-8')
    blog_count=get_blog_count(query, display)
    for start_index in range(start, blog_count +1,display):
        get_blog_post(query,display,start_index,sort)

    fs.close()
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