Lab#3, NLP@CGU Spring 2023

This is due on 2023/03/20 16:00, commit to your github as a PDF (lab3.pdf) (File>Print>Save as PDF).

IMPORTANT: After copying this notebook to your Google Drive, please paste a link to it below. To get a publicly-accessible link, hit the *Share* button at the top right, then click "Get shareable link" and copy over the result. If you fail to do this, you will receive no credit for this lab!

LINK: paste your link here

https://colab.research.google.com/drive/1e8f1hd1OiMd_zgPaSNVT8kKkqY5KIPLs?usp=sharing

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Name:劉愷澂

Question 1 (100 points)

Implementing Yahoo Movies Crawler.

1. Design a Yahoo! Movie Crawler.
2. Crawl all the movie information listed in movie_intheaters page
3. The more movie data crawled, the higher the score

Double-click (or enter) to edit

```
import requests
import re
from bs4 import BeautifulSoup

Y_MOVIE_URL = "https://movies.yahoo.com.tw/movie_intheaters.html"

# YOUR CODE HERE!
# IMPLEMENTIG YAHOO MOVIES CRAWLER
class MovieCrawler(object):

    def __init__(self):
      self.session = requests.Session()

    def get_movies(self, page_url):
      movies = []
```

```
        for i in range(1,9):
          response = self.session.get(page_url+"?page="+str(i))
          response.encoding = 'utf-8'
          soup = BeautifulSoup(response.text, 'html.parser')
          movie_list = soup.find_all('div', class_='release_info')
          for movie in movie_list:
              ch_name = movie.find('div', class_='release_movie_name').a.text.strip()
              en_name = movie.find('div', class_='en').a.text.strip()
              movie_url = movie.find('div', class_='release_movie_name').a['href']
              release_date = movie.find('div', class_='release_movie_time').text.spli
              intro = movie.find('div', class_='release_text').text.strip()
              movie_info = {'ch_name': ch_name,
                            'en_name': en_name,
                            'movie_url': movie_url,
                            'release_date': release_date,
                            'intro': intro}
              movies.append(movie_info)
        return movies


    # # DO NOT MODIFY THE VARIABLES
    crawler = MovieCrawler()
    movies = crawler.get_movies(Y_MOVIE_URL)

    # # THE RESULTS : AS THE FOLLOWING SECTION
    # # {'ch_name', 'en_name', 'movie_url', 'release_date', 'intro'}
    print(len(movies))
    print(*movies, sep="\n")
```

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77
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✓ 3s completed at 3:33 PM