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連結:

https://colab.research.google.com/drive/1Txpr9Q4dgG8u4bKC9a
7NGZ2OKRpYPneg?usp=share_link

按兩下 (或按 Enter 鍵) 即可編輯

```
import requests
from bs4 import BeautifulSoup
import networkx as nx
import ison
base url = "https://movies.yahoo.com.tw/movieinfo main/"
start_page = 1
end page = 7600
i = 0
G = nx. DiGraph()
for page in range(start_page, end_page+1):
       url = base_url + str(page)
       response = requests.get(url)
       soup = BeautifulSoup(response.content, "html.parser")
       if not soup.find("div", class_="movie_intro_info"):
               continue
       # add the URL
       G. add node (url)
       doc id = page
       cname = soup.find("div", class_="movie_intro_info").find("h1").text.strip()
       ename = soup.find("div", class_="movie_intro_info_r").find("h3").text.strip()
       label = soup.find("div", class_="level_name").text.strip()
       intro = soup.find("span", id="story").text.strip().replace('\n\n', '')
       released_date = soup.find("div", class="movie_intro_info_r").find_all("span")[0].text.strip().replaced.
       links = []
       for link in soup.find_all("a"):
               href = link.get("href")
               text = link.text.strip()
               if href and text:
                      links.append(href)
                      G. add edge (url, href)
       # calculate
       pagerank = nx. pagerank(G)
       # create a dictionary
       movie_info = {
               "doc_id": doc_id,
               "cname": cname,
               "nagerank": nagerank[url] # use the IIRI as the key to get the PageRank
```

```
"label": label,
    "intro": intro,
    "released_date": released_date,
    "links": links # store only the hrefs of the links
}
i += 1
print(i)

#JSON file
with open("hw2.json", "a", encoding="utf-8") as f:
    json.dump(movie_info, f, ensure_ascii=False)
    f.write("\n") # add a new line at the end of each JSON object to separate them
```

```
串流輸出內容已截斷至最後 5000 行。
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```

sorted matches = sorted (matches, key=lambda x: pageranks.get(x["doc id"], 0), reverse=True)

search_movies("黑暗")

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