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from bs4 import BeautifulSoup
from selenium import webdriver
import requests
import csv

url = 'https://www.imdb.com/chart/top/'

headers = {'User-Agent': 'Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Cl

response = requests.get(url, headers=headers)

soup = BeautifulSoup(response.content, 'html.parser')

movies = soup.find_all('li', class_='ipc-metadata-list-summary-item sc-10233bc-0 TwzGn cli-parent')

print(len(movies))

csv_filename = 'movie_data.csv'

with open(csv_filename, mode='w', newline='', encoding='utf-8-sig') as file:
    writer = csv.writer(file)

    header = ['Rank', 'Name', 'Year', 'Rating']
    writer.writerow(header)

    for movie in movies:
        name = movie.find('div', class_='ipc-title ipc-title--base ipc-title--title ipc-title-link-no-icon i
        rank = movie.find('div', class_='ipc-title ipc-title--base ipc-title--title ipc-title-link-no-icon i
        year = movie.find('div', class_='sc-b189961a-7 btCcOY cli-title-metadata').span.text
        rating = movie.find('div', class_='sc-e2dbc1a3-0 jeHPdh sc-b189961a-2 bglyHz cli-ratings-container')

        writer.writerow([rank, name, year, rating])

    print("Data has been written to CSV file:", csv_filename)

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Data has been written to CSV file: movie_data.csv