Web Scrapping Assignment 4

August 18, 2023

[1]: `pip install beautifulsoup4`

```
Requirement already satisfied: beautifulsoup4 in
c:\users\admin\anaconda3\lib\site-packages (4.11.1)
Requirement already satisfied: soupsieve>1.2 in
c:\users\admin\anaconda3\lib\site-packages (from beautifulsoup4) (2.3.1)
Note: you may need to restart the kernel to use updated packages.
```

[9]:
```python
import requests
from bs4 import BeautifulSoup

url = "https://en.wikipedia.org/wiki/List_of_most-viewed_YouTube_videos"
response = requests.get(url)

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

table = soup.find("table", class_="wikitable")

rank_list = []
name_list = []
artist_list = []
upload_date_list = []
views_list = []

for row in table.find_all("tr")[1:]:
    columns = row.find_all("td")

    if len(columns) >= 5:
        rank = columns[0].text.strip()
        name = columns[1].text.strip()
        artist = columns[2].text.strip()
        upload_date = columns[4].text.strip()
        views = columns[3].text.strip()

        rank_list.append(rank)
        name_list.append(name)
        artist_list.append(artist)
        upload_date_list.append(upload_date)
```

```
        views_list.append(views)
```

```
[10]:  for i in range(len(rank_list)):
           print("Rank:", rank_list[i])
           print("Name:", name_list[i])
           print("Artist:", artist_list[i])
           print("Upload Date:", upload_date_list[i])
           print("Views:", views_list[i])
           print("=" * 50)
```

```
Rank: 1.
Name: "Baby Shark Dance"[6]
Artist: Pinkfong Baby Shark - children's songs
Upload Date: June 17, 2016
Views: 13.18
==================================================
Rank: 2.
Name: "Despacito"[9]
Artist: Luis Fonsi
Upload Date: January 12, 2017
Views: 8.23
==================================================
Rank: 3.
Name: "Johny Johny Yes Papa"[16]
Artist: LooLoo Kids - nursery rhymes
Upload Date: October 8, 2016
Views: 6.76
==================================================
Rank: 4.
Name: "Bath Song"[17]
Artist: Cocomelon - nursery rhymes
Upload Date: May 2, 2018
Views: 6.33
==================================================
Rank: 5.
Name: "Shape of You"[18]
Artist: Ed Sheeran
Upload Date: January 30, 2017
Views: 6.05
==================================================
Rank: 6.
Name: "See You Again"[21]
Artist: Wiz Khalifa
Upload Date: April 6, 2015
Views: 5.98
==================================================
Rank: 8.
Name: "Wheels on the Bus"[26]
```

Artist: Cocomelon - nursery rhymes
Upload Date: May 24, 2018
Views: 5.46
==
Rank: 7.
Name: "Phonics Song with Two Words"[27]
Artist: ChuChu TV - children's songs
Upload Date: March 6, 2014
Views: 5.42
==
Rank: 9.
Name: "Uptown Funk"[28]
Artist: Mark Ronson
Upload Date: November 19, 2014
Views: 4.99
==
Rank: 10.
Name: "Learning Colors - Colorful Eggs on a Farm"[29]
Artist: Miroshka TV - children's songs
Upload Date: February 27, 2018
Views: 4.94
==
Rank: 11.
Name: "Gangnam Style"[30]
Artist: Psy
Upload Date: July 15, 2012
Views: 4.86
==
Rank: 12.
Name: "Masha and the Bear - Recipe for Disaster"[35]
Artist: Get Movies - children's songs
Upload Date: January 31, 2012
Views: 4.55
==
Rank: 13.
Name: "Dame Tu Cosita"[36]
Artist: El Chombo
Upload Date: April 5, 2018
Views: 4.41
==
Rank: 14.
Name: "Axel F"[37]
Artist: Crazy Frog
Upload Date: June 16, 2009
Views: 4.00
==
Rank: 15.
Name: "Sugar"[38]

```
Artist: Maroon 5
Upload Date: January 14, 2015
Views: 3.91
==================================================
Rank: 16.
Name: "Roar"[39]
Artist: Katy Perry
Upload Date: September 5, 2013
Views: 3.84
==================================================
Rank: 17.
Name: "Counting Stars"[40]
Artist: OneRepublic
Upload Date: May 31, 2013
Views: 3.84
==================================================
Rank: 18.
Name: "Baa Baa Black Sheep"[41]
Artist: Cocomelon - nursery rhymes
Upload Date: June 25, 2018
Views: 3.73
==================================================
Rank: 19.
Name: "Sorry"[42]
Artist: Justin Bieber
Upload Date: October 22, 2015
Views: 3.69
==================================================
Rank: 20.
Name: "Waka Waka (This Time for Africa)"[43]
Artist: Shakira
Upload Date: June 4, 2010
Views: 3.68
==================================================
Rank: 21.
Name: "Thinking Out Loud"[44]
Artist: Ed Sheeran
Upload Date: October 7, 2014
Views: 3.63
==================================================
Rank: 22.
Name: "Lakdi Ki Kathi"[45]
Artist: Jingle Toons
Upload Date: June 14, 2018
Views: 3.63
==================================================
Rank: 23.
Name: "Dark Horse"[46]
```

Artist: Katy Perry
Upload Date: February 20, 2014
Views: 3.56
==
Rank: 24.
Name: "Perfect"[47]
Artist: Ed Sheeran
Upload Date: November 9, 2017
Views: 3.51
==
Rank: 25.
Name: "Faded"[48]
Artist: Alan Walker
Upload Date: December 3, 2015
Views: 3.49
==
Rank: 26.
Name: "Let Her Go"[49]
Artist: Passenger
Upload Date: July 25, 2012
Views: 3.48
==
Rank: 27.
Name: "Humpty the train on a fruits ride"[50]
Artist: Kiddiestv Hindi - children's songs
Upload Date: January 26, 2018
Views: 3.51
==
Rank: 28.
Name: "Girls Like You"[51]
Artist: Maroon 5
Upload Date: May 31, 2018
Views: 3.45
==
Rank: 29.
Name: "Bailando"[52]
Artist: Enrique Iglesias
Upload Date: April 11, 2014
Views: 3.43
==
Rank: 30.
Name: "Lean On"[53]
Artist: Major Lazer
Upload Date: March 22, 2015
Views: 3.43
==

```
[11]: # Answer for question 2
```

```
[13]: import requests
      from bs4 import BeautifulSoup

      url = "https://www.bcci.tv/"
      response = requests.get(url)
      soup = BeautifulSoup(response.content, "html.parser")

      fixtures_link = None
      for link in soup.find_all("a"):
          if "international/fixtures" in link.get("href"):
              fixtures_link = link.get("href")
              break
```

```
[3]: if fixtures_link:
         fixtures_url = "https://www.bcci.tv" + fixtures_link
         fixtures_response = requests.get(fixtures_url)
         fixtures_soup = BeautifulSoup(fixtures_response.content, "html.parser")
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
~\AppData\Local\Temp\ipykernel_4148\3346553329.py in <module>
----> 1 if fixtures_link:
      2     fixtures_url = "https://www.bcci.tv" + fixtures_link
      3     fixtures_response = requests.get(fixtures_url)
      4     fixtures_soup = BeautifulSoup(fixtures_response.content, "html.
  ↪parser")

NameError: name 'fixtures_link' is not defined
```

```
[15]: # ANSWER FOR QUESTION 3
```

```
[16]: import requests
```

```
[23]: access_token = "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N"

      endpoint = "https://api.github.com/search/repositories"
      params = {
          "q": "created:>2023-07-01",
          "sort": "stars",
          "order": "desc"
      }
```

```
[25]: headers = {"Authorization": f"Bearer {access_token}"
      }
```

```python
[26]: response = requests.get(endpoint, params=params, headers=headers)
      data = response.json()
```

```python
[2]: for repo in data = ["items"]:
         title = repo["name"]
         description = repo["description"]
         contributors_count = repo["contributors_url"]
         language = repo["language"]

         print("Repository Title:", title)
         print("Description:", description)
         print("Contributors Count:", contributors_count)
         print("Language Used:", language)
         print("=" * 50)
```

```
  File "C:\Users\ADMIN\AppData\Local\Temp\ipykernel_4148\3119468342.py", line 1
    for repo in data = ["items"]:
                     ^
SyntaxError: invalid syntax
```

```python
[4]: #Answe for question 4
```

```python
[5]: import requests
     from bs4 import BeautifulSoup
```

```python
[6]: url = "https://github.com/"
     response = requests.get(url)
     soup = BeautifulSoup(response.content, "html.parser")
```

```python
[21]: explore_menu = soup.find("summary", string="Explore")
      if explore_menu:
          trending_link = explore_menu.find_next("a", href="/trending")
          if trending_link:
              trending_url = "https://github.com" + trending_link["href"]
              trending_response = requests.get(trending_url)
              trending_soup = BeautifulSoup(trending_response.content, "html.parser")

              repo_list = trending_soup.find_all("article", class_="Box-row")

              for repo in repo_list:
                  repo_title = repo.find("h1", class_="h3 lh-condensed").text.strip()
                  repo_desc = repo.find("p", class_="col-9 color-text-secondary my-1␣
      ↪pr-4").text.strip()
                  contributors_count = repo.find("a", class_="Link--muted␣
      ↪d-inline-block mr-3").text.strip()
```

```python
            language = repo.find("span", itemprop="programmingLanguage").text.
↪strip() if repo.find("span", itemprop="programmingLanguage") else "Not␣
↪specified"

            print(f"Repository Title: {repo_title}")
            print(f"Repository Description: {repo_desc}")
            print(f"Contributors Count: {contributors_count}")
            print(f"Language Used: {language}")
            print("-" * 20)

    else:
        print("Trending link not found.")

else:
    print("Explore menu not found.")
```

Explore menu not found.

```python
[22]: #Answer for question 5
```

```python
[24]: import requests
      from bs4 import BeautifulSoup
```

```python
[25]: url = "https://www.billboard.com/"
      response = requests.get(url)
      soup = BeautifulSoup(response.content, "html.parser")
```

```python
[33]: charts_link = soup.find("a", text="Charts")
      if charts_link:
          charts_url = charts_link["href"]
          charts_response = requests.get(charts_url)
          charts_soup = BeautifulSoup(charts_response.content, "html.parser")

          hot_100_link = charts_soup.find("a", text="Hot 100")
          if hot_100_link:
              hot_100_url = hot_100_link["href"]

              hot_100_response = requests.get(hot_100_url)
              hot_100_soup = BeautifulSoup(hot_100_response.content, "html.parser")
              song_list = hot_100_soup.find_all("li", class_="chart-list__element")

              for song in song_list:
                  song_name = song.find("span",␣
      ↪class_="chart-element__information__song").text
                  artist_name = song.find("span",␣
      ↪class_="chart-element__information__artist").text
```

```
            last_week_rank = song.find("span", class_="chart-element__meta␣
↪text--last").text
            peak_rank = song.find("span", class_="chart-element__meta␣
↪text--peak").text
            weeks_on_board = song.find("span", class_="chart-element__meta␣
↪text--week").text

            print(f"Song Name: {song_name}")
            print(f"Artist Name: {artist_name}")
            print(f"Last Week Rank: {last_week_rank}")
            print(f"Peak Rank: {peak_rank}")
            print(f"Weeks on Board: {weeks_on_board}")
            print("-" * 20)
```

[34]:
```
#Answer for question 6
```

[35]:
```
import requests
from bs4 import BeautifulSoup
```

[36]:
```
url_books = "https://www.theguardian.com/news/datablog/2012/aug/09/
↪best-selling-books-all-time-fifty-shades-grey"
response_books = requests.get(url_books)
soup_books = BeautifulSoup(response_books.content, "html.parser")
```

[43]:
```
if books_table:
    rows = books_table.find_all("tr")[1:]  # Skip the header row
    for row in rows:
        columns = row.find_all("td")
        book_name = columns[1].text
        author = columns[2].text
        copies_sold = columns[3].text
        publisher = columns[4].text
        genre = columns[5].text

        print(f"Book Name: {book_name}")
        print(f"Author: {author}")
        print(f"Copies Sold: {copies_sold}")
        print(f"Publisher: {publisher}")
        print(f"Genre: {genre}")
        print("-" * 20)

else:
    print("Books table not found.")
```

Books table not found.

[44]:
```
#Answer for question 7
```

```
[45]: import requests
      from bs4 import BeautifulSoup
```

```
[46]: url = "https://www.imdb.com/list/ls095964455/"
      response = requests.get(url)
      soup = BeautifulSoup(response.content, "html.parser")
```

```
[47]: series_list = soup.find_all("div", class_="lister-item-content")
```

```
[48]: for series in series_list:
          name = series.h3.a.text
          year_span = series.find("span", class_="lister-item-year").text
          genre = series.find("span", class_="genre").text.strip()
          run_time = series.find("span", class_="runtime").text if series.
       ↪find("span", class_="runtime") else "N/A"
          ratings = series.find("div", class_="ipl-rating-star").span.text
          votes = series.find("span", attrs={"name": "nv"}).text.replace(",", "")

          print(f"Name: {name}")
          print(f"Year Span: {year_span}")
          print(f"Genre: {genre}")
          print(f"Run Time: {run_time}")
          print(f"Ratings: {ratings}")
          print(f"Votes: {votes}")
          print("-" * 20)
```

```
Name: Game of Thrones
Year Span: (2011-2019)
Genre: Action, Adventure, Drama
Run Time: 57 min
Ratings:




Votes: 2193338
--------------------
Name: Stranger Things
Year Span: (2016-2024)
Genre: Drama, Fantasy, Horror
Run Time: 51 min
Ratings:
```

Votes: 1267079

Name: The Walking Dead
Year Span: (2010-2022)
Genre: Drama, Horror, Thriller
Run Time: 44 min
Ratings:

Votes: 1041092

Name: 13 Reasons Why
Year Span: (2017-2020)
Genre: Drama, Mystery, Thriller
Run Time: 60 min
Ratings:

Votes: 305989

Name: The 100
Year Span: (2014-2020)
Genre: Drama, Mystery, Sci-Fi
Run Time: 43 min
Ratings:

Votes: 265071

Name: Orange Is the New Black
Year Span: (2013-2019)
Genre: Comedy, Crime, Drama
Run Time: 59 min
Ratings:

Votes: 312696

Name: Riverdale
Year Span: (2017-2023)
Genre: Crime, Drama, Mystery
Run Time: 45 min
Ratings:

Votes: 150587

Name: Grey's Anatomy
Year Span: (2005-)
Genre: Drama, Romance
Run Time: 41 min
Ratings:

Votes: 326742

Name: The Flash
Year Span: (2014-2023)
Genre: Action, Adventure, Drama
Run Time: 43 min
Ratings:

Votes: 362079

Name: Arrow

Year Span: (2012-2020)
Genre: Action, Adventure, Crime
Run Time: 42 min
Ratings:

Votes: 440244

Name: La casa de papel
Year Span: (2017-2021)
Genre: Action, Crime, Drama
Run Time: 70 min
Ratings:

Votes: 504767

Name: The Big Bang Theory
Year Span: (2007-2019)
Genre: Comedy, Romance
Run Time: 22 min
Ratings:

Votes: 837683

Name: Black Mirror
Year Span: (2011-)
Genre: Drama, Mystery, Sci-Fi
Run Time: 60 min
Ratings:

Votes: 606303

Name: Sherlock
Year Span: (2010-2017)
Genre: Crime, Drama, Mystery
Run Time: 88 min
Ratings:

Votes: 962566

Name: Vikings
Year Span: (2013-2020)
Genre: Action, Adventure, Drama
Run Time: 44 min
Ratings:

Votes: 558865

Name: Pretty Little Liars
Year Span: (2010-2017)
Genre: Drama, Mystery, Romance
Run Time: 44 min
Ratings:

Votes: 173732

Name: The Vampire Diaries
Year Span: (2009-2017)
Genre: Drama, Fantasy, Horror
Run Time: 43 min
Ratings:

```
Votes: 336176
--------------------
Name: American Horror Story
Year Span: (2011- )
Genre: Drama, Horror, Sci-Fi
Run Time: 60 min
Ratings:




Votes: 330134
--------------------
Name: Breaking Bad
Year Span: (2008-2013)
Genre: Crime, Drama, Thriller
Run Time: 49 min
Ratings:




Votes: 2021709
--------------------
Name: Lucifer
Year Span: (2016-2021)
Genre: Crime, Drama, Fantasy
Run Time: 42 min
Ratings:




Votes: 341133
--------------------
Name: Supernatural
Year Span: (2005-2020)
```

Genre: Drama, Fantasy, Horror
Run Time: 44 min
Ratings:

Votes: 464693

Name: Prison Break
Year Span: (2005-2017)
Genre: Action, Crime, Drama
Run Time: 44 min
Ratings:

Votes: 559347

Name: How to Get Away with Murder
Year Span: (2014-2020)
Genre: Crime, Drama, Mystery
Run Time: 43 min
Ratings:

Votes: 159799

Name: Teen Wolf
Year Span: (2011-2017)
Genre: Action, Drama, Fantasy
Run Time: 41 min
Ratings:

Votes: 157950

Name: The Simpsons
Year Span: (1989-)
Genre: Animation, Comedy
Run Time: 22 min
Ratings:

Votes: 422442

Name: Once Upon a Time
Year Span: (2011-2018)
Genre: Adventure, Fantasy, Romance
Run Time: 60 min
Ratings:

Votes: 231321

Name: Narcos
Year Span: (I) (2015-2017)
Genre: Biography, Crime, Drama
Run Time: 49 min
Ratings:

Votes: 449470

Name: Daredevil
Year Span: (2015-2018)
Genre: Action, Crime, Drama
Run Time: 54 min
Ratings:

```
Votes: 458848
--------------------
Name: Friends
Year Span: (1994-2004)
Genre: Comedy, Romance
Run Time: 22 min
Ratings:




Votes: 1040489
--------------------
Name: How I Met Your Mother
Year Span: (2005-2014)
Genre: Comedy, Drama, Romance
Run Time: 22 min
Ratings:




Votes: 708144
--------------------
Name: Suits
Year Span: (2011-2019)
Genre: Comedy, Drama
Run Time: 44 min
Ratings:




Votes: 441786
--------------------
Name: Mr. Robot
Year Span: (2015-2019)
Genre: Crime, Drama, Thriller
```

Run Time: 49 min
Ratings:

Votes: 403840

Name: The Originals
Year Span: (2013-2018)
Genre: Drama, Fantasy, Horror
Run Time: 45 min
Ratings:

Votes: 142579

Name: Supergirl
Year Span: (2015-2021)
Genre: Action, Adventure, Drama
Run Time: 43 min
Ratings:

Votes: 127493

Name: Gossip Girl
Year Span: (2007-2012)
Genre: Drama, Romance
Run Time: 42 min
Ratings:

Votes: 184219

```
--------------------
Name: Sense8
Year Span: (2015-2018)
Genre: Drama, Mystery, Sci-Fi
Run Time: 60 min
Ratings:




Votes: 159181
--------------------
Name: Gotham
Year Span: (2014-2019)
Genre: Action, Crime, Drama
Run Time: 42 min
Ratings:




Votes: 236504
--------------------
Name: Westworld
Year Span: (2016-2022)
Genre: Drama, Mystery, Sci-Fi
Run Time: 62 min
Ratings:




Votes: 519475
--------------------
Name: Jessica Jones
Year Span: (2015-2019)
Genre: Action, Crime, Drama
Run Time: 56 min
Ratings:
```

```
Votes: 221231
--------------------
Name: Modern Family
Year Span: (2009-2020)
Genre: Comedy, Drama, Romance
Run Time: 22 min
Ratings:




Votes: 458645
--------------------
Name: Rick and Morty
Year Span: (2013- )
Genre: Animation, Adventure, Comedy
Run Time: 23 min
Ratings:




Votes: 563474
--------------------
Name: Shadowhunters: The Mortal Instruments
Year Span: (2016-2019)
Genre: Action, Drama, Fantasy
Run Time: 42 min
Ratings:




Votes: 67611
--------------------
Name: The End of the F***ing World
Year Span: (2017-2019)
Genre: Adventure, Comedy, Crime
Run Time: 25 min
```

Ratings:

Votes: 207663

Name: House of Cards
Year Span: (2013-2018)
Genre: Drama
Run Time: 51 min
Ratings:

Votes: 518908

Name: Dark
Year Span: (2017-2020)
Genre: Crime, Drama, Mystery
Run Time: 60 min
Ratings:

Votes: 417639

Name: Élite
Year Span: (2018-)
Genre: Crime, Drama, Thriller
Run Time: 60 min
Ratings:

Votes: 86009

```
Name: Sex Education
Year Span: (2019-2023)
Genre: Comedy, Drama
Run Time: 45 min
Ratings:




Votes: 308933
--------------------
Name: Shameless
Year Span: (2011-2021)
Genre: Comedy, Drama
Run Time: 46 min
Ratings:




Votes: 261919
--------------------
Name: New Girl
Year Span: (2011-2018)
Genre: Comedy, Romance
Run Time: 22 min
Ratings:




Votes: 236795
--------------------
Name: Agents of S.H.I.E.L.D.
Year Span: (2013-2020)
Genre: Action, Adventure, Drama
Run Time: 45 min
Ratings:
```

Votes: 222249

Name: You
Year Span: (2018-2024)
Genre: Crime, Drama, Romance
Run Time: 45 min
Ratings:

Votes: 283097

Name: Dexter
Year Span: (2006-2013)
Genre: Crime, Drama, Mystery
Run Time: 53 min
Ratings:

Votes: 744702

Name: Fear the Walking Dead
Year Span: (2015-2023)
Genre: Drama, Horror, Sci-Fi
Run Time: 44 min
Ratings:

Votes: 137370

Name: Family Guy
Year Span: (1999-)
Genre: Animation, Comedy
Run Time: 22 min
Ratings:

```
Votes: 353955
--------------------
Name: The Blacklist
Year Span: (2013-2023)
Genre: Crime, Drama, Mystery
Run Time: 43 min
Ratings:




Votes: 269326
--------------------
Name: Lost
Year Span: (2004-2010)
Genre: Adventure, Drama, Fantasy
Run Time: 44 min
Ratings:




Votes: 574974
--------------------
Name: Peaky Blinders
Year Span: (2013-2022)
Genre: Crime, Drama
Run Time: 60 min
Ratings:




Votes: 599177
--------------------
Name: House M.D.
```

Year Span: (2004-2012)
Genre: Drama, Mystery
Run Time: 44 min
Ratings:

Votes: 486989

Name: Quantico
Year Span: (2015-2018)
Genre: Crime, Drama, Mystery
Run Time: 42 min
Ratings:

Votes: 62696

Name: Orphan Black
Year Span: (2013-2017)
Genre: Drama, Sci-Fi, Thriller
Run Time: 44 min
Ratings:

Votes: 114281

Name: Homeland
Year Span: (2011-2020)
Genre: Crime, Drama, Mystery
Run Time: 55 min
Ratings:

Votes: 352369

Name: Blindspot
Year Span: (2015-2020)
Genre: Action, Crime, Drama
Run Time: 42 min
Ratings:

Votes: 77026

Name: Legends of Tomorrow
Year Span: (2016-2022)
Genre: Action, Adventure, Drama
Run Time: 42 min
Ratings:

Votes: 108136

Name: The Handmaid's Tale
Year Span: (2017-)
Genre: Drama, Sci-Fi, Thriller
Run Time: 60 min
Ratings:

Votes: 249213

Name: Chilling Adventures of Sabrina
Year Span: (2018-2020)
Genre: Drama, Fantasy, Horror
Run Time: 60 min
Ratings:

Votes: 102733

Name: The Good Doctor
Year Span: (2017-)
Genre: Drama
Run Time: 41 min
Ratings:

Votes: 106360

Name: Jane the Virgin
Year Span: (2014-2019)
Genre: Comedy
Run Time: 60 min
Ratings:

Votes: 55706

Name: Glee
Year Span: (2009-2015)
Genre: Comedy, Drama, Music
Run Time: 44 min
Ratings:

Votes: 152687

Name: South Park
Year Span: (1997-)

Genre: Animation, Comedy
Run Time: 22 min
Ratings:

Votes: 393081

Name: Brooklyn Nine-Nine
Year Span: (2013-2021)
Genre: Comedy, Crime
Run Time: 22 min
Ratings:

Votes: 339878

Name: Under the Dome
Year Span: (2013-2015)
Genre: Drama, Mystery, Sci-Fi
Run Time: 43 min
Ratings:

Votes: 109959

Name: The Umbrella Academy
Year Span: (2019-2023)
Genre: Action, Adventure, Comedy
Run Time: 60 min
Ratings:

Votes: 261937

Name: True Detective
Year Span: (2014-)
Genre: Crime, Drama, Mystery
Run Time: 55 min
Ratings:

Votes: 604957

Name: The OA
Year Span: (2016-2019)
Genre: Drama, Fantasy, Mystery
Run Time: 60 min
Ratings:

Votes: 110043

Name: Desperate Housewives
Year Span: (2004-2012)
Genre: Comedy, Drama, Mystery
Run Time: 45 min
Ratings:

Votes: 134625

Name: Better Call Saul
Year Span: (2015-2022)
Genre: Crime, Drama
Run Time: 46 min
Ratings:

Votes: 597237

Name: Bates Motel
Year Span: (2013-2017)
Genre: Drama, Horror, Mystery
Run Time: 45 min
Ratings:

Votes: 113096

Name: The Punisher
Year Span: (2017-2019)
Genre: Action, Crime, Drama
Run Time: 53 min
Ratings:

Votes: 252328

Name: Atypical
Year Span: (2017-2021)
Genre: Comedy, Drama
Run Time: 30 min
Ratings:

Votes: 98059

Name: Dynasty
Year Span: (2017-2022)
Genre: Drama

Run Time: 42 min
Ratings:

Votes: 24052

Name: This Is Us
Year Span: (2016-2022)
Genre: Comedy, Drama, Romance
Run Time: 45 min
Ratings:

Votes: 151574

Name: The Good Place
Year Span: (2016-2020)
Genre: Comedy, Drama, Fantasy
Run Time: 22 min
Ratings:

Votes: 176746

Name: Iron Fist
Year Span: (2017-2018)
Genre: Action, Adventure, Crime
Run Time: 55 min
Ratings:

Votes: 136041

Name: The Rain
Year Span: (2018-2020)
Genre: Drama, Sci-Fi, Thriller
Run Time: 45 min
Ratings:

Votes: 39886

Name: Mindhunter
Year Span: (2017-2019)
Genre: Crime, Drama, Mystery
Run Time: 60 min
Ratings:

Votes: 312631

Name: Revenge
Year Span: (2011-2015)
Genre: Drama, Mystery, Thriller
Run Time: 44 min
Ratings:

Votes: 122800

Name: Luke Cage
Year Span: (2016-2018)
Genre: Action, Crime, Drama
Run Time: 55 min
Ratings:

Votes: 136115

Name: Scandal
Year Span: (2012-2018)
Genre: Drama, Thriller
Run Time: 43 min
Ratings:

Votes: 77466

Name: The Defenders
Year Span: (2017)
Genre: Action, Adventure, Crime
Run Time: 50 min
Ratings:

Votes: 112939

Name: Big Little Lies
Year Span: (2017-2019)
Genre: Crime, Drama, Mystery
Run Time: 60 min
Ratings:

Votes: 213765

Name: Insatiable
Year Span: (2018-2019)
Genre: Comedy, Drama, Thriller
Run Time: 45 min

Ratings:

Votes: 31097

Name: The Mentalist
Year Span: (2008-2015)
Genre: Crime, Drama, Mystery
Run Time: 43 min
Ratings:

Votes: 193302

Name: The Crown
Year Span: (2016-2023)
Genre: Biography, Drama, History
Run Time: 58 min
Ratings:

Votes: 233112

Name: Chernobyl
Year Span: (2019)
Genre: Drama, History, Thriller
Run Time: 330 min
Ratings:

Votes: 814820

Name: iZombie
Year Span: (2015-2019)
Genre: Comedy, Crime, Drama
Run Time: 42 min
Ratings:

Votes: 71756

Name: Reign
Year Span: (2013-2017)
Genre: Drama
Run Time: 42 min
Ratings:

Votes: 52435

Name: A Series of Unfortunate Events
Year Span: (2017-2019)
Genre: Adventure, Comedy, Drama
Run Time: 50 min
Ratings:

Votes: 64462

Name: Criminal Minds
Year Span: (2005-)
Genre: Crime, Drama, Mystery
Run Time: 42 min
Ratings:

```
Votes: 210120
--------------------
Name: Scream
Year Span: (2015-2019)
Genre: Comedy, Crime, Drama
Run Time: 45 min
Ratings:




Votes: 43692
--------------------
Name: The Haunting of Hill House
Year Span: (2018)
Genre: Drama, Horror, Mystery
Run Time: 572 min
Ratings:




Votes: 263705
--------------------
```

[49]: ```python
#Answer for question 8
```

[50]: ```python
import requests
from bs4 import BeautifulSoup
```

[51]: ```python
url = "https://archive.ics.uci.edu/"
response = requests.get(url)
soup = BeautifulSoup(response.content, "html.parser")
```

[52]: ```python
show_all_link = soup.find("a", text="Show All Data Sets")
if show_all_link:
    show_all_url = url + show_all_link["href"]

    show_all_response = requests.get(show_all_url)
    show_all_soup = BeautifulSoup(show_all_response.content, "html.parser")

    dataset_table = show_all_soup.find("table", border="1")
```

```python
    if dataset_table:
        rows = dataset_table.find_all("tr")[1:]  # Skip the header row
        for row in rows:
            columns = row.find_all("td")
            dataset_name = columns[0].text.strip()
            data_type = columns[1].text.strip()
            task = columns[2].text.strip()
            attribute_type = columns[3].text.strip()
            instances = columns[4].text.strip()
            attributes = columns[5].text.strip()
            year = columns[6].text.strip()

            print(f"Dataset Name: {dataset_name}")
            print(f"Data Type: {data_type}")
            print(f"Task: {task}")
            print(f"Attribute Type: {attribute_type}")
            print(f"No of Instances: {instances}")
            print(f"No of Attributes: {attributes}")
            print(f"Year: {year}")
            print("-" * 20)
    else:
        print("Dataset table not found.")
else:
    print("Show All Data Sets link not found.")
```

Show All Data Sets link not found.

```
[ ]:
```