In [2]:
```
import selenium
from selenium import webdriver
from selenium.webdriver.common.by import By
from selenium .common.exceptions import NoSuchElementException
```

In [3]:
```
import pandas as pd
import time
```

In [4]:
```
import warnings
warnings.filterwarnings ('ignore')
```

In [12]:
```
driver = webdriver.Chrome (r'chromedriver.exe')
```

In [13]:
```
url = 'https://www.bcci.tv/'
driver.get (url)
```

In [15]:
```
driver.maximize_window()
```

In [17]:
```
menu = driver.find_element(By.XPATH,'/html/body/nav/div[1]/button')
menu.click ()
```

In [18]:
```
international = driver.find_element(By.XPATH,'/html/body/nav/div[1]/div[2]/ul[1]/li[2]/a')
international.click()
```

In [ ]:
```
# Q-2 ==========
```

In [32]:
```
match_title_all = []
try:
    title_tag = driver.find_elements(By.XPATH,'//h5[@class="match-tournament-name ng-binding"]')
    for i in title_tag:
        temp = i.text
        match_title_all.append(temp)
except NoSuchElementException:
    match_title_tag.append('Not Present')

series_all = []
try:
    series = driver.find_elements(By.XPATH,'//span[@class="matchOrderText ng-binding ng-scope"]')
    for i in series:
        temp = i.text
        series_all.append(temp)
except NoSuchElementException:
    series_all.append('Not Present')

place_all = []
try:
    place = driver.find_elements(By.XPATH,'//span[@class="ng-binding"]')
    for i in place:
        temp = i.text
        place_all.append(temp)
except NoSuchElementException:
    place_all.append('Not Present')

date_all = []
try:
    date = driver.find_elements(By.XPATH,'//div[@class="match-dates ng-binding"]')
    for i in date:
        temp = i.text
        date_all.append(temp)
except NoSuchElementException:
    date_all.append('Not Present')

time_all = []
try:
    time = driver.find_elements(By.XPATH,'//div[@class="match-time no-margin ng-binding"]')
    for i in time:
        temp = i.text
        time_all.append(temp)
except NoSuchElementException:
    time_all.append('Not Present')
```

In [34]:
```
len(match_title_all),len(series_all),len(place_all),len(date_all),len(time_all)
```

Out[34]: (8, 8, 8, 8, 8)

In [38]:
```
df = pd.DataFrame({'Match Title':match_title_all,'Series':series_all,'place':place_all,'Date':date_all,'Time':time_all})
df
```

Out[38]:

	Match Title	Series	place	Date	Time
0	INDIA WOMEN TOUR OF BANGLADESH 2023	1st T20I -	Dhaka	9 JUL 2023	1:00 AM PDT
1	INDIA WOMEN TOUR OF BANGLADESH 2023	2nd T20I -	Dhaka	11 JUL 2023	1:00 AM PDT
2	INDIA TOUR OF WEST INDIES 2023	1st Test -	Dominica	12 JUL 2023	7:00 AM PDT
3	INDIA WOMEN TOUR OF BANGLADESH 2023	3rd T20I -	Dhaka	13 JUL 2023	1:00 AM PDT
4	INDIA WOMEN TOUR OF BANGLADESH 2023	1st ODI -	Dhaka	15 JUL 2023	8:30 PM PDT
5	INDIA WOMEN TOUR OF BANGLADESH 2023	2nd ODI -	Dhaka	18 JUL 2023	8:30 PM PDT
6	INDIA TOUR OF WEST INDIES 2023	2nd Test -	Trinidad	20 JUL 2023	7:00 AM PDT
7	INDIA WOMEN TOUR OF BANGLADESH 2023	3rd ODI -	Dhaka	21 JUL 2023	8:30 PM PDT

In [ ]:
```
# ==========================================================================================================================================
```

In [39]:
```
# Q-3
```

In [46]:
```
url1 = 'http://statisticstimes.com/'
driver.get (url1)
```

In [59]:
```
economy = driver.find_element(By.XPATH,'/html/body/div[2]/div[1]/div[2]/div[2]/button')
economy.click()
```

In [60]:
```
india = driver.find_element(By.XPATH,'//div[@class="dropdown-content"]/a[3]')
india.click()
```

In [61]:
```
state_wise = driver.find_element(By.XPATH,'/html/body/div[2]/div[2]/div[2]/ul/li[1]/a')
state_wise.click()
```

In [68]:
```
rank_all_odd = []
rank = driver.find_elements(By.XPATH,'//tr[@class="odd"]/td[1]')
for i in rank:
    temp = i.text
    rank_all_odd.append(temp)
rank_all_odd [:17]
```

Out[68]:
```
['1',
 '3',
 '5',
 '7',
 '9',
 '11',
 '13',
 '15',
 '17',
 '19',
 '21',
 '23',
 '25',
 '27',
 '29',
 '31',
 '33']
```

In [69]:
```
state_all_odd = []
rank = driver.find_elements(By.XPATH,'//tr[@class="odd"]/td[2]')
for i in rank:
    temp = i.text
    state_all_odd.append(temp)
state_all_odd [:17]
```

Out[69]:
```
['Maharashtra',
 'Uttar Pradesh',
 'Karnataka',
 'Rajasthan',
 'Telangana',
 'Kerala',
 'Haryana',
 'Punjab',
 'Assam',
 'Jharkhand',
 'Jammu & Kashmir',
 'Goa',
 'Chandigarh',
 'Meghalaya',
 'Manipur',
 'Arunachal Pradesh',
 'Andaman & Nicobar Islands']
```

In [70]:
```
gsdp_1819_odd = []
gsdp = driver.find_elements(By.XPATH,'//tr[@class="odd"]/td[4]')
for i in gsdp:
    temp = i.text
    gsdp_1819_odd.append(temp)
gsdp_1819_odd [:17]
```

Out[70]:
```
['2,632,792',
 '1,584,764',
 '1,493,127',
 '942,586',
 '861,031',
 '781,653',
 '734,163',
 '526,376',
 '315,881',
 '297,204',
 '155,956',
 '73,170',
 '42,114',
 '33,481',
 '27,870',
 '24,603',
 '-']
```

In [71]:
```
gsdp_1920_odd = []
gsdp = driver.find_elements(By.XPATH,'//tr[@class="odd"]/td[3]')
for i in gsdp:
    temp = i.text
    gsdp_1920_odd.append(temp)
gsdp_1920_odd [:17]
```

Out[71]:
```
['-',
 '1,687,818',
 '1,631,977',
 '1,020,989',
 '969,604',
 '-',
 '831,610',
 '574,760',
 '-',
 '328,598',
 '-',
 '80,449',
 '-',
 '36,572',
 '31,790',
 '-',
 '-']
```

In [72]:
```
share_1819_odd = []
share = driver.find_elements(By.XPATH,'//tr[@class="odd"]/td[5]')
for i in share:
    temp = i.text
    share_1819_odd.append(temp)
share_1819_odd [:17]
```

Out[72]:
```
['13.94%',
 '8.39%',
 '7.91%',
 '4.99%',
 '4.56%',
 '4.14%',
 '3.89%',
 '2.79%',
 '1.67%',
 '1.57%',
 '0.83%',
 '0.39%',
 '0.22%',
 '0.18%',
 '0.15%',
 '0.13%',
 '-']
```

In [73]:
```
gdp_billion_odd = []
gdp_bill = driver.find_elements(By.XPATH,'//tr[@class="odd"]/td[5]')
for i in gdp_bill:
    temp = i.text
    gdp_billion_odd.append(temp)
gdp_billion_odd [:17]
```

Out[73]:
```
['13.94%',
 '8.39%',
 '7.91%',
 '4.99%',
 '4.56%',
 '4.14%',
 '3.89%',
 '2.79%',
 '1.67%',
 '1.57%',
 '0.83%',
 '0.39%',
 '0.22%',
 '0.18%',
 '0.15%',
 '0.13%',
 '-']
```

In [74]:
```
len(rank_all_odd),len(state_all_odd),len(gsdp_1819_odd),len(gsdp_1920_odd),len(share_1819_odd),len(gdp_billion_odd)
```

Out[74]:
```
(34, 34, 34, 34, 34, 34)
```

In [75]:
```
df_odd = pd.DataFrame({'Rank':rank_all_odd,'State':state_all_odd,'GSDP-[18-19]':gsdp_1819_odd,'GSDP-[19-20]':gsdp_1920_odd,'Sha
df_odd
```

Out[75]:

	Rank	State	GSDP-[18-19]	GSDP-[19-20]	Share[18-19]	GDP $ Billion
0	1	Maharashtra	2,632,792	-	13.94%	13.94%
1	3	Uttar Pradesh	1,584,764	1,687,818	8.39%	8.39%
2	5	Karnataka	1,493,127	1,631,977	7.91%	7.91%
3	7	Rajasthan	942,586	1,020,989	4.99%	4.99%
4	9	Telangana	861,031	969,604	4.56%	4.56%
5	11	Kerala	781,653	-	4.14%	4.14%
6	13	Haryana	734,163	831,610	3.89%	3.89%
7	15	Punjab	526,376	574,760	2.79%	2.79%
8	17	Assam	315,881	-	1.67%	1.67%
9	19	Jharkhand	297,204	328,598	1.57%	1.57%
10	21	Jammu & Kashmir	155,956	-	0.83%	0.83%
11	23	Goa	73,170	80,449	0.39%	0.39%
12	25	Chandigarh	42,114	-	0.22%	0.22%
13	27	Meghalaya	33,481	36,572	0.18%	0.18%
14	29	Manipur	27,870	31,790	0.15%	0.15%
15	31	Arunachal Pradesh	24,603	-	0.13%	0.13%
16	33	Andaman & Nicobar Islands	-	-	-	-
17	1	Maharashtra	2,332,992	-	13.97%	13.97%
18	3	Uttar Pradesh	1,404,761	1,495,758	8.41%	8.41%
19	5	Gujarat	1,322,936	-	7.92%	7.92%
20	7	Rajasthan	845,247	916,014	5.06%	5.06%
21	9	Andhra Pradesh	776,140	875,429	4.65%	4.65%
22	11	Kerala	707,542	-	4.24%	4.24%
23	13	Haryana	666,075	755,790	3.99%	3.99%
24	15	Punjab	472,506	517,521	2.83%	2.83%
25	17	Assam	282,782	-	1.69%	1.69%
26	19	Chhattisgarh	266,537	288,041	1.60%	1.60%
27	21	Himachal Pradesh	133,303	143,063	0.80%	0.80%
28	23	Goa	66,060	72,181	0.40%	0.40%
29	25	Chandigarh	37,571	-	0.22%	0.22%
30	27	Meghalaya	29,544	32,833	0.18%	0.18%
31	29	Sikkim	25,141	28,391	0.15%	0.15%
32	31	Arunachal Pradesh	22,488	-	0.13%	0.13%
33	33	Andaman & Nicobar Islands	-	-	-	-

In [77]:
```
rank_all_even = []
rank = driver.find_elements(By.XPATH,'//tr[@class="even"]/td[1]')
for i in rank:
    temp = i.text
    rank_all_even.append(temp)
rank_all_even [:16]
```

Out[77]:
```
['2',
 '4',
 '6',
 '8',
 '10',
 '12',
 '14',
 '16',
 '18',
 '20',
 '22',
 '24',
 '26',
 '28',
 '30',
 '32']
```

In [79]:
```
state_all_even = []
state = driver.find_elements(By.XPATH,'//tr[@class="even"]/td[2]')
for i in state:
    temp = i.text
    state_all_even.append(temp)
state_all_even [:16]
```

Out[79]:
```
['Tamil Nadu',
 'Gujarat',
 'West Bengal',
 'Andhra Pradesh',
 'Madhya Pradesh',
 'Delhi',
 'Bihar',
 'Odisha',
 'Chhattisgarh',
 'Uttarakhand',
 'Himachal Pradesh',
 'Tripura',
 'Puducherry',
 'Sikkim',
 'Nagaland',
 'Mizoram']
```

In [80]:
```
gsdp_1819_even = []
gsdp = driver.find_elements(By.XPATH,'//tr[@class="even"]/td[4]')
for i in gsdp:
    temp = i.text
    gsdp_1819_even.append(temp)
gsdp_1819_even [:16]
```

Out[80]:
```
['1,630,208',
 '1,502,899',
 '1,089,898',
 '862,957',
 '809,592',
 '774,870',
 '530,363',
 '487,805',
 '304,063',
 '245,895',
 '153,845',
 '49,845',
 '34,433',
 '28,723',
 '27,283',
 '22,287']
```

In [81]:
```
gsdp_1920_even = []
gsdp = driver.find_elements(By.XPATH,'//tr[@class="even"]/td[3]')
for i in gsdp:
    temp = i.text
    gsdp_1920_even.append(temp)
gsdp_1920_even [:16]
```

Out[81]:
```
['1,845,853',
 '-',
 '1,253,832',
 '972,782',
 '906,672',
 '856,112',
 '611,804',
 '521,275',
 '329,180',
 '-',
 '165,472',
 '55,984',
 '38,253',
 '32,496',
 '-',
 '26,503']
```

In [82]:
```
share_1819_even = []
share = driver.find_elements(By.XPATH,'//tr[@class="even"]/td[5]')
for i in share:
    temp = i.text
    share_1819_even.append(temp)
share_1819_even [:16]
```

Out[82]:
```
['8.63%',
 '7.96%',
 '5.77%',
 '4.57%',
 '4.29%',
 '4.10%',
 '2.81%',
 '2.58%',
 '1.61%',
 '1.30%',
 '0.81%',
 '0.26%',
 '0.18%',
 '0.15%',
 '0.14%',
 '0.12%']
```

In [83]:
```
gdp_billion_even = []
gdp_billi = driver.find_elements(By.XPATH,'//tr[@class="even"]/td[6]')
for i in gdp_billi:
    temp = i.text
    gdp_billion_even.append(temp)
gdp_billion_even [:16]
```

Out[83]:
```
['247.629',
 '228.290',
 '165.556',
 '131.083',
 '122.977',
 '117.703',
 '80.562',
 '74.098',
 '46.187',
 '37.351',
 '23.369',
 '7.571',
 '5.230',
 '4.363',
 '4.144',
 '3.385']
```

In [84]:
```
len(rank_all_even),len(state_all_even),len(gsdp_1819_even),len(gsdp_1920_even),len(share_1819_even),len(gdp_billion_even)
```

Out[84]:
```
(32, 32, 32, 32, 32, 32)
```

In [85]:
```
df_even = pd.DataFrame({'Rank':rank_all_even,'State':state_all_even,'GSDP-[18-19]':gsdp_1819_even,'GSDP-[19-20]':gsdp_1920_even
df_even
```

Out[85]:

	Rank	State	GSDP-[18-19]	GSDP-[19-20]	Share-[18-19]	GDP[$ Billion]
0	2	Tamil Nadu	1,630,208	1,845,853	8.63%	247.629
1	4	Gujarat	1,502,899	-	7.96%	228.290
2	6	West Bengal	1,089,898	1,253,832	5.77%	165.556
3	8	Andhra Pradesh	862,957	972,782	4.57%	131.083
4	10	Madhya Pradesh	809,592	906,672	4.29%	122.977
5	12	Delhi	774,870	856,112	4.10%	117.703
6	14	Bihar	530,363	611,804	2.81%	80.562
7	16	Odisha	487,805	521,275	2.58%	74.098
8	18	Chhattisgarh	304,063	329,180	1.61%	46.187
9	20	Uttarakhand	245,895	-	1.30%	37.351
10	22	Himachal Pradesh	153,845	165,472	0.81%	23.369
11	24	Tripura	49,845	55,984	0.26%	7.571
12	26	Puducherry	34,433	38,253	0.18%	5.230
13	28	Sikkim	28,723	32,496	0.15%	4.363
14	30	Nagaland	27,283	-	0.14%	4.144
15	32	Mizoram	22,287	26,503	0.12%	3.385
16	2	Tamil Nadu	1,465,361	1,659,210	8.77%	1,167,776
17	4	Karnataka	1,351,553	1,476,983	8.09%	1,035,131
18	6	West Bengal	995,502	1,150,711	5.96%	713,376
19	8	Telangana	782,370	881,873	4.68%	594,806
20	10	Madhya Pradesh	737,156	827,019	4.41%	496,798
21	12	Delhi	704,529	779,647	4.22%	568,265
22	14	Bihar	486,776	562,710	2.91%	377,276
23	16	Odisha	428,031	457,757	2.56%	344,437
24	18	Jharkhand	271,990	301,242	1.63%	218,232
25	20	Uttarakhand	221,871	-	1.33%	-
26	22	Jammu & Kashmir	129,877	-	0.78%	-
27	24	Tripura	44,835	50,227	0.27%	35,980
28	26	Puducherry	31,415	34,823	0.19%	22,291
29	28	Manipur	25,323	29,148	0.15%	18,549
30	30	Nagaland	24,534	-	0.15%	-
31	32	Mizoram	20,947	24,424	0.13%	17,797

In [ ]:
```
# ======================== upto here i made dataframe of all, but its in odd & even . ========================================
```

In [86]:
```
# Q-4
```

In [52]:
```
from selenium .common.exceptions import ElementNotInteractableException
```

In [84]:
```
driver = webdriver.Chrome('chromedriver.exe')
```

In [85]:
```
driver.get ('https://github.com/')
```

In [87]:
```
menu = driver.find_element(By.XPATH,'/html/body/div[1]/div[1]/header/div/div[1]/div[2]/button')
menu.click()
```

In [88]:
```
open_source = driver.find_element(By.XPATH,'/html/body/div[1]/div[1]/header/div/div[2]/div/nav/ul/li[3]/button')
open_source.click()
```

In [89]:
```
try:
    trending = driver.find_element(By.XPATH,'/html/body/div[1]/div[1]/header/div/div[2]/div/nav/ul/li[3]/div/div[3]/ul/li[2]/a'
    trending.click()
except ElementNotInteractableException:
    print ('Element is not Interactable')
```

In [90]:
```
driver.maximize_window()
```

In [91]:
```
title = driver.find_element(By.XPATH,'//span[@class="text-normal"][1]')
title.click()
```

In [92]:
```
repo_url = []
url = driver.find_elements(By.XPATH,'//h2[@class="h3 lh-condensed"]/a')
for i in url:
    temp = i.get_attribute('href')
    repo_url.append(temp)
```

In [93]:
```
len(repo_url)
```

Out[93]: 25

In [94]:
```
repo_url
```

Out[94]:
```
['https://github.com/ChaoningZhang/MobileSAM',
 'https://github.com/abacaj/mpt-30B-inference',
 'https://github.com/slarkvan/Block-Pornographic-Replies',
 'https://github.com/WeMakeDevs/open-source-course',
 'https://github.com/PowerShell/PowerShell',
 'https://github.com/XingangPan/DragGAN',
 'https://github.com/facebook/folly',
 'https://github.com/ParthJadhav/Tkinter-Designer',
 'https://github.com/papers-we-love/papers-we-love',
 'https://github.com/wgwang/LLMs-In-China',
 'https://github.com/practical-tutorials/project-based-learning',
 'https://github.com/mengjian-github/copilot-analysis',
 'https://github.com/dotnet-architecture/eShopOnContainers',
 'https://github.com/EbookFoundation/free-programming-books',
 'https://github.com/chinese-poetry/chinese-poetry',
 'https://github.com/alexbei/telegram-groups',
 'https://github.com/questdb/questdb',
 'https://github.com/fuqiuluo/unidbg-fetch-qsign',
 'https://github.com/mosaicml/composer',
 'https://github.com/alibaba/DataX',
 'https://github.com/toeverything/AFFiNE',
 'https://github.com/phodal/aigc',
 'https://github.com/imgly/background-removal-js',
 'https://github.com/sourcegraph/sourcegraph',
 'https://github.com/buqiyuan/vue3-antd-admin']
```

In [79]:
```
data = driver.find_element(By.XPATH,'//div[@class="BorderGrid-row"][4]/div/ul')
data.text.split('\n')
```

Out[79]:
```
['Vue',
 '64.6%',
 'TypeScript',
 '18.2%',
 'JavaScript',
 '15.8%',
 'Less',
 '0.9%',
 'HTML',
 '0.3%',
 'Dockerfile',
 '0.1%',
 'Shell',
 '0.1%']
```

In [95]:
```
repo_discription11 =[]
```

In [96]:
```
contri_count11 = []
```

In [97]:
```
language_all11 = []
```

In [98]:
```
heading_title11 = []
```

In [99]:
```
for ur in repo_url:
    driver.get(ur)

    try:
        title_tag = driver.find_elements(By.XPATH,'//a[@class="url fn"]')
        for i in title_tag:
            temp = i.text
            heading_title11.append(temp)
    except NoSuchElementException:
        heading_title11.append('-')


    try:
        title = driver.find_elements(By.XPATH,'//p[@class="f4 my-3"]')
        for i in title:
            temp = i.text
            repo_discription11.append(temp)
    except NoSuchElementException:
        repo_discription11.append('-')

    try:
        contributors = driver.find_elements(By.XPATH,'//div[@class="BorderGrid-row"][4]/div/h2/a/span')
        for i in contributors:
            temp = i.text
            contri_count11.append(temp)
    except NoSuchElementException:
        contri_count11.append('-')

    try:
        language = driver.find_elements(By.XPATH,'//div[@class="BorderGrid-row"][4]/div/ul')
        for i in language:
            temp = i.text.split('\n')
            language_all11.append(temp)
    except NoSuchElementException:
        language_all11.append('-')
```

In [100]:
```
len(heading_title11),len(repo_discription11),len(contri_count11),len(language_all11)
```

Out[100]: (25, 23, 12, 19)

In [ ]:
```
# ============================================== Q-4 Completed ==========================================================
```

In [ ]:
```
# Q-5
```

In [105]:
```
driver = webdriver.Chrome('chromedriver.exe')
```

In [106]:
```
driver.get('https://www.billboard.com/')
```

In [108]:
```
driver.maximize_window()
```

In [109]:
```
menu1 = driver.find_element(By.XPATH,'/html/body/div[3]/header/div/div[4]/div/div[1]/div[1]/button')
menu1.click()
```

In [110]:
```
charts = driver.find_element(By.XPATH,'/html/body/div[3]/div[9]/div/div/div/ul/li[1]/h3/button')
charts.click()
```

In [111]:
```
hot100 = driver.find_element(By.XPATH,'/html/body/div[3]/div[9]/div/div/div/ul/li[1]/ul/li[2]/a')
hot100.click()
```

In [123]:
```
hot_table = []
hot = driver.find_elements(By.XPATH,'//li[@class="lrv-u-width-100p"]/ul')
for i in hot:
    temp = i.text.split('\n')
    hot_table.append(temp)
hot_table
```

Out[123]:
```
[['Last Night', 'Morgan Wallen', '1', '1', '21'],
 ['Fast Car', 'Luke Combs', '3', '2', '13'],
 ['Calm Down', 'Rema & Selena Gomez', '4', '3', '42'],
 ['Flowers', 'Miley Cyrus', '2', '1', '23'],
 ['All My Life', 'Lil Durk Featuring J. Cole', '5', '2', '6'],
 ['Favorite Song', 'Toosii', '6', '5', '18'],
 ['Karma', 'Taylor Swift Featuring Ice Spice', '9', '2', '15'],
 ['Kill Bill', 'SZA', '7', '1', '28'],
 ["Creepin'", 'Metro Boomin, The Weeknd & 21 Savage', '8', '3', '29'],
 ['Ella Baila Sola', 'Eslabon Armado X Peso Pluma', '10', '4', '14'],
 ['Sure Thing', 'Miguel', '11', '11', '47'],
 ['Anti-Hero', 'Taylor Swift', '12', '1', '35'],
 ['Snooze', 'SZA', '15', '13', '28'],
 ['Something In The Orange', 'Zach Bryan', '14', '10', '61'],
 ['Die For You', 'The Weeknd & Ariana Grande', '13', '1', '47'],
 ['Fukumean', 'Gunna', '-', '16', '1'],
 ['Need A Favor', 'Jelly Roll', '19', '17', '12'],
 ['Cruel Summer', 'Taylor Swift', '39', '18', '7'],
 ['La Bebe', 'Yng Lvcas x Peso Pluma', '16', '11', '14'],
```

In [114]:
```
hot100 = []
try:
    hot_songs = driver.find_elements(By.XPATH,'//li[@class="lrv-u-width-100p"]/ul/li/h3')
    for i in hot_songs:
        temp = i.text
        hot100.append(temp)
except NoSuchElementException:
    hot100.append('-')
```

In [160]:
```
hot100
```

Out[160]:
```
['Last Night',
 'Fast Car',
 'Calm Down',
 'Flowers',
 'All My Life',
 'Favorite Song',
 'Karma',
 'Kill Bill',
 "Creepin'",
 'Ella Baila Sola',
 'Sure Thing',
 'Anti-Hero',
 'Snooze',
 'Something In The Orange',
 'Die For You',
 'Fukumean',
 'Need A Favor',
 'Cruel Summer',
 'La Bebe',
 'You Proof',
 'Un x100to',
 "Thinkin' Bout Me",
 'Rock And A Hard Place',
 'Cupid',
 'Search & Rescue',
 'Chemical',
 'Eyes Closed',
 'Next Thing You Know',
 'Back To The Moon',
 'Where She Goes',
 'Attention',
 "I'm Good (Blue)",
 'Thought You Should Know',
 'Dance The Night',
 "Dancin' In The Country",
 'Religiously',
 "Boy's A Liar, Pt. 2",
 'Memory Lane',
 'Put It On Da Floor Again',
 'Area Codes',
 'Stand By Me',
 'Rodeo Dr',
 'Tennessee Orange',
 'Bzrp Music Sessions, Vol. 55',
 'Love You Anyway',
 'One Thing At A Time',
 'TQM',
 'Players',
 'Under The Influence',
 'Thank God',
 'Back At It',
 'Bread & Butter',
 'Princess Diana',
 'Bye',
 'Calling',
 'Daylight',
 'What It Is (Block Boy)',
 'Annihilate',
 'Bury Me In Georgia',
 'Ca$h $hit',
 'Self Love',
 'Bottom',
 'It Matters To Her',
 'Dial Drunk',
 'PRC',
 'Por Las Noches',
 'Mourning',
 'Am I Dreaming',
 'Waffle House',
 'See You Again',
 'TQG',
 'Your Heart Or Mine',
 'Peaches & Eggplants',
 'El Azul',
 'You, Me, & Whiskey',
 'IDK NoMore',
 'P Angels',
 'Cowgirls',
 "Baby Don't Hurt Me",
 'Popular',
 'Fight The Feeling',
 'Slut Me Out',
 'Paybach',
 'Plebada',
 'Save Me',
```

```
 'Fragil',
 'Jaded',
 'ICU',
 'Truck Bed',
 "Ain't That Some",
 'Shake Sumn',
 'Trustfall',
 'People',
 'Go Crazy',
 'Chanel',
 'Angel, Pt. 1',
 'Girl In Mine',
 'Moonlight',
 'Classy 101',
 'Bluffin']
```

In [116]:
```
len(hot100)
```

Out[116]:
```
100
```

In [133]:
```
singer = []
try:
    sing = driver.find_elements(By.XPATH,'//li[@class="lrv-u-width-100p"]/ul/li/span')
    for i in sing:
        temp = i.text
        singer.append(temp)
except NoSuchElementException:
    singer.append('-')
```

In [136]:
```
s1 = singer[::2]
s2 = s1 [::2]
s2
```

Out[136]:
```
['Morgan Wallen',
 'Luke Combs',
 'Rema & Selena Gomez',
 'Miley Cyrus',
 'Lil Durk Featuring J. Cole',
 'Toosii',
 'Taylor Swift Featuring Ice Spice',
 'SZA',
 'Metro Boomin, The Weeknd & 21 Savage',
 'Eslabon Armado X Peso Pluma',
 'Miguel',
 'Taylor Swift',
 'SZA',
 'Zach Bryan',
 'The Weeknd & Ariana Grande',
 'Gunna',
 'Jelly Roll',
 'Taylor Swift',
 'Yng Lvcas x Peso Pluma',
 'Morgan Wallen',
 'Grupo Frontera X Bad Bunny',
 'Morgan Wallen',
 'Bailey Zimmerman',
 'Fifty Fifty',
 'Drake',
 'Post Malone',
 'Ed Sheeran',
 'Jordan Davis',
 'Gunna',
 'Bad Bunny',
 'Doja Cat',
 'David Guetta & Bebe Rexha',
 'Morgan Wallen',
 'Dua Lipa',
 'Tyler Hubbard',
 'Bailey Zimmerman',
 'PinkPantheress & Ice Spice',
 'Old Dominion',
 'Latto Featuring Cardi B',
 'Kali',
 'Lil Durk Featuring Morgan Wallen',
 'Gunna',
 'Megan Moroney',
 'Bizarrap & Peso Pluma',
 'Luke Combs',
 'Morgan Wallen',
 'Fuerza Regida',
 'Coi Leray',
 'Chris Brown',
 'Kane Brown With Katelyn Brown',
 'Gunna',
 'Gunna',
 'Ice Spice & Nicki Minaj',
 'Peso Pluma',
 'Metro Boomin, Swae Lee & NAV Featuring A Boogie Wit da Hoodie',
 'David Kushner',
 'Doechii Featuring Kodak Black',
 'Metro Boomin, Swae Lee, Lil Wayne & Offset',
 'Kane Brown',
 'Gunna',
 'Metro Boomin & Coi Leray',
 'Gunna',
 'Scotty McCreery',
 'Noah Kahan',
 'Peso Pluma X Natanael Cano',
 'Peso Pluma',
 'Post Malone',
 'Metro Boomin, A$AP Rocky & Roisee',
 'Jonas Brothers',
 'Tyler, The Creator Featuring Kali Uchis',
 'Karol G x Shakira',
 'Jon Pardi',
 'Young Nudy Featuring 21 Savage',
 'Junior H x Peso Pluma',
 'Justin Moore & Priscilla Block',
 'Gunna',
 'Gunna',
 'Morgan Wallen Featuring ERNEST',
 'David Guetta, Anne-Marie & Coi Leray',
 'The Weeknd, Playboi Carti & Madonna',
 'Rod Wave',
 'NLE Choppa',
 'Gunna',
 'El Alfa x Peso Pluma',
 'Jelly Roll With Lainey Wilson',
```

```
 'Yahritza y Su Esencia x Grupo Frontera',
 'Miley Cyrus',
 'Coco Jones',
 'HARDY',
 'Morgan Wallen',
 'DaBaby',
 'P!nk',
 'Libianca',
 'Gunna',
 'Becky G & Peso Pluma',
 'Kodak Black, NLE Choppa, Jimin, JVKE & Muni Long',
 'Parmalee',
 'Kali Uchis',
 'Feid x Young Miko',
 'Gucci Mane & Lil Baby']
```

In [137]:
```
len(s2)
```

Out[137]:
```
100
```

In [138]:
```
rank = []
try:
    rnk = driver.find_elements(By.XPATH,'//li[@class="lrv-u-width-100p"]/ul/li/span')
    for i in rnk:
        temp = i.text
        rank.append(temp)
except NoSuchElementException:
    rank.append('-')
```

In [142]:
```
r1 = rank [1::2]
r2 = r1 [::2]
r2
```

Out[142]:
```
['1',
 '3',
 '4',
 '2',
 '5',
 '6',
 '9',
 '7',
 '8',
 '10',
 '11',
 '12',
 '15',
 '14',
 '13',
 '-',
 '19',
 '39',
 '16',
 '21',
 '18',
 '22',
 '25',
 '24',
 '20',
 '23',
 '26',
 '28',
 '-',
 '17',
 '-',
 '31',
 '30',
 '32',
 '34',
 '42',
 '27',
 '36',
 '29',
 '33',
 '41',
 '-',
 '38',
 '37',
 '49',
 '35',
 '40',
 '45',
 '44',
 '50',
 '-',
 '81',
 '52',
 '53',
 '46',
 '56',
 '60',
 '47',
 '64',
 '-',
 '54',
 '-',
 '55',
 '43',
 '57',
 '58',
 '59',
 '51',
 '65',
 '61',
 '62',
 '67',
 '74',
 '63',
 '66',
 '-',
 '-',
 '69',
 '71',
 '72',
 '76',
 '73',
 '-',
 '68',
 '96',
```

```
 '83',
 '85',
 '70',
 '89',
 '77',
 '78',
 '82',
 '80',
 '-',
 '79',
 '-',
 '-',
 '90',
 '-',
 '-']
```

In [143]:
```
len(r2)
```

Out[143]:
```
100
```

In [144]:
```
peak_rank = []
try:
    peak = driver.find_elements(By.XPATH,'//li[@class="lrv-u-width-100p"]/ul/li/span')
    for i in peak:
        temp = i.text
        peak_rank.append(temp)
except NoSuchElementException:
    peak_rank.append('-')
```

In [151]:
```
p1 = peak_rank [2::2]
p2 = p1 [::2]
p2
```

Out[151]:
```
['1',
 '2',
 '3',
 '1',
 '2',
 '5',
 '2',
 '1',
 '3',
 '4',
 '11',
 '1',
 '13',
 '10',
 '1',
 '16',
 '17',
 '18',
 '11',
 '5',
 '5',
 '9',
 '10',
 '17',
 '2',
 '13',
 '19',
 '28',
 '29',
 '8',
 '31',
 '4',
 '7',
 '32',
 '23',
 '36',
 '3',
 '36',
 '13',
 '33',
 '22',
 '42',
 '30',
 '31',
 '15',
 '10',
 '34',
 '9',
 '12',
 '13',
 '51',
 '48',
 '4',
 '53',
 '41',
 '47',
 '57',
 '44',
 '59',
 '60',
 '54',
 '62',
 '49',
 '43',
 '33',
 '28',
 '36',
 '51',
 '57',
 '44',
 '7',
 '67',
 '73',
 '55',
 '66',
 '76',
 '77',
 '40',
 '71',
 '43',
 '16',
 '28',
 '83',
 '68',
 '85',
```

```
 '69',
 '56',
 '63',
 '89',
 '11',
 '69',
 '82',
 '80',
 '94',
 '55',
 '65',
 '97',
 '80',
 '99',
 '100']
```

In [148]:
```
len(p2)
```

Out[148]:
```
100
```

In [152]:
```
weeks_on = []
try:
    week = driver.find_elements(By.XPATH,'//li[@class="lrv-u-width-100p"]/ul/li/span')
    for i in week:
        temp = i.text
        weeks_on.append(temp)
except NoSuchElementException:
    weeks_on.append('-')
```

In [155]:
```
w1 = weeks_on [3::2]
w2 = w1 [::2]
w2
```

Out[155]:
```
['21',
 '13',
 '42',
 '23',
 '6',
 '18',
 '15',
 '28',
 '29',
 '14',
 '47',
 '35',
 '28',
 '61',
 '47',
 '1',
 '12',
 '7',
 '14',
 '58',
 '10',
 '16',
 '54',
 '14',
 '11',
 '10',
 '13',
 '22',
 '1',
 '5',
 '1',
 '43',
 '45',
 '4',
 '18',
 '7',
 '20',
 '12',
 '3',
 '7',
 '4',
 '1',
 '28',
 '3',
 '19',
 '29',
 '5',
 '25',
 '41',
 '41',
 '1',
 '3',
 '10',
 '4',
 '3',
 '10',
 '7',
 '3',
 '6',
 '1',
 '3',
 '1',
 '10',
 '2',
 '19',
 '15',
 '5',
 '3',
 '8',
 '10',
 '17',
 '6',
 '3',
 '11',
 '7',
 '1',
 '1',
 '16',
 '5',
 '3',
 '12',
 '14',
 '1',
 '2',
 '3',
```

```
'9',
'6',
'14',
'2',
'16',
'7',
'4',
'8',
'1',
'10',
'2',
'1',
'11',
'1',
'1']
```

In [156]:
```
len(w2)
```

Out[156]:
```
100
```

In [158]:
```
import pandas as pd
```

In [163]:
```
df = pd.DataFrame({'Song Name':hot100,'Artist Name':s2,'Last Week Rank':r2,'Peak Rank':p2,'Weeks on Board':w2})
df
```

Out[163]:

	Song Name	Artist Name	Last Week Rank	Peak Rank	Weeks on Board
0	Last Night	Morgan Wallen	1	1	21
1	Fast Car	Luke Combs	3	2	13
2	Calm Down	Rema & Selena Gomez	4	3	42
3	Flowers	Miley Cyrus	2	1	23
4	All My Life	Lil Durk Featuring J. Cole	5	2	6
...	...	...	...	...	...
95	Angel, Pt. 1	Kodak Black, NLE Choppa, Jimin, JVKE & Muni Long	-	65	2
96	Girl In Mine	Parmalee	-	97	1
97	Moonlight	Kali Uchis	90	80	11
98	Classy 101	Feid x Young Miko	-	99	1
99	Bluffin	Gucci Mane & Lil Baby	-	100	1

100 rows × 5 columns

In [ ]: