

```
In [ ]: !pip install chromedriver-autoinstaller
```

```
In [1]: import selenium
import pandas as pd
import time
import requests
from bs4 import BeautifulSoup
from selenium import webdriver
from selenium.common.exceptions import StaleElementReferenceException, NoSuchElementException
import requests
from selenium.webdriver.common.by import By
from selenium.webdriver.support.ui import WebDriverWait
from selenium.webdriver.support import expected_conditions as EC
import os
from selenium.webdriver.chrome.options import Options
from selenium.webdriver.chrome.service import Service
import chromedriver_autoinstaller

import warnings
warnings.filterwarnings('ignore')
```

```
In [2]: #1.
driver=webdriver.Chrome()
```

```
In [10]: url= "https://en.wikipedia.org/wiki/List_of_most-viewed_Youtube_videos"
```

```
In [11]: options = webdriver.ChromeOptions()
options.add_argument("--headless")
driver = webdriver.Chrome(options=options)
```

```
In [13]: driver.get(url)
```

```
In [14]: table = driver.find_element(By.CLASS_NAME, "wikitable")
```

```
In [15]: rows = table.find_elements(By.TAG_NAME, "tr")[1:]
```

```
In [16]: data = {
    "Rank": [],
    "Name": [],
    "Artist": [],
    "Upload date": [],
    "Views": []
}
```

```
In [17]: for row in rows:
    columns = row.find_elements(By.TAG_NAME, "td")

    # Check if all columns exist
    if len(columns) >= 5:
        data["Rank"].append(columns[0].text.strip())
        data["Name"].append(columns[1].text.strip())
        data["Artist"].append(columns[2].text.strip())
        data["Upload date"].append(columns[3].text.strip())
        data["Views"].append(columns[4].text.strip())
```

```
In [18]: for i in range(len(data["Rank"])):
```

```
print("Rank:", data["Rank"][i])
print("Name:", data["Name"][i])
print("Artist:", data["Artist"][i])
print("Upload date:", data["Upload date"][i])
print("Views:", data["Views"][i])
```

```
Rank: "Baby Shark Dance"[6]
Name: Pinkfong Baby Shark - Kids' Songs & Stories
Artist: 13.78
Upload date: June 17, 2016
Views: [A]
Rank: "Despacito"[9]
Name: Luis Fonsi
Artist: 8.33
Upload date: January 12, 2017
Views: [B]
Rank: "Johny Johny Yes Papa"[17]
Name: LooLoo Kids - Nursery Rhymes and Children's Songs
Artist: 6.85
Upload date: October 8, 2016
Views:
Rank: "Bath Song"[18]
Name: Cocomelon - Nursery Rhymes
Artist: 6.52
Upload date: May 2, 2018
Views:
Rank: "Shape of You"[19]
Name: Ed Sheeran
Artist: 6.15
Upload date: January 30, 2017
Views: [C]
Rank: "See You Again"[22]
Name: Wiz Khalifa
Artist: 6.11
Upload date: April 6, 2015
Views: [D]
Rank: "Wheels on the Bus"[27]
Name: Cocomelon - Nursery Rhymes
Artist: 5.74
Upload date: May 24, 2018
Views:
Rank: "Phonics Song with Two Words"[28]
Name: ChuChu TV Nursery Rhymes & Kids Songs
Artist: 5.59
Upload date: March 6, 2014
Views:
Rank: "Uptown Funk"[29]
Name: Mark Ronson
Artist: 5.10
Upload date: November 19, 2014
Views:
Rank: "Learning Colors - Colorful Eggs on a Farm"[30]
Name: Miroshka TV
Artist: 5.03
Upload date: February 27, 2018
Views:
Rank: "Gangnam Style"[31]
Name: Psy
Artist: 4.98
Upload date: July 15, 2012
Views: [E]
Rank: "Masha and the Bear - Recipe for Disaster"[36]
Name: Get Movies
Artist: 4.57
Upload date: January 31, 2012
Views:
```

Rank: "Dame Tu Cosita"[37]  
Name: Ultra Records  
Artist: 4.49  
Upload date: April 5, 2018  
Views:  
Rank: "Axel F"[38]  
Name: Crazy Frog  
Artist: 4.19  
Upload date: June 16, 2009  
Views:  
Rank: "Sugar"[39]  
Name: Maroon 5  
Artist: 3.97  
Upload date: January 14, 2015  
Views:  
Rank: "Counting Stars"[40]  
Name: OneRepublic  
Artist: 3.93  
Upload date: May 31, 2013  
Views:  
Rank: "Roar"[41]  
Name: Katy Perry  
Artist: 3.92  
Upload date: September 5, 2013  
Views:  
Rank: "Baa Baa Black Sheep"[42]  
Name: Cocomelon - Nursery Rhymes  
Artist: 3.86  
Upload date: June 25, 2018  
Views:  
Rank: "Waka Waka (This Time for Africa)"[43]  
Name: Shakira  
Artist: 3.80  
Upload date: June 4, 2010  
Views:  
Rank: "Lakdi Ki Kathi"[44]  
Name: Jingle Toons  
Artist: 3.78  
Upload date: June 14, 2018  
Views:  
Rank: "Sorry"[45]  
Name: Justin Bieber  
Artist: 3.74  
Upload date: October 22, 2015  
Views:  
Rank: "Thinking Out Loud"[46]  
Name: Ed Sheeran  
Artist: 3.70  
Upload date: October 7, 2014  
Views:  
Rank: "Humpty the train on a fruits ride"[47]  
Name: Kiddiestv Hindi - Nursery Rhymes & Kids Songs  
Artist: 3.65  
Upload date: January 26, 2018  
Views:  
Rank: "Dark Horse"[48]  
Name: Katy Perry  
Artist: 3.64  
Upload date: February 20, 2014  
Views:  
Rank: "Perfect"[49]  
Name: Ed Sheeran  
Artist: 3.61  
Upload date: November 9, 2017  
Views:  
Rank: "Shree Hanuman Chalisa"[50]

Name: T-Series Bhakti Sagar  
 Artist: 3.57  
 Upload date: May 10, 2011  
 Views:  
 Rank: "Let Her Go"[51]  
 Name: Passenger  
 Artist: 3.57  
 Upload date: July 25, 2012  
 Views:  
 Rank: "Faded"[52]  
 Name: Alan Walker  
 Artist: 3.56  
 Upload date: December 3, 2015  
 Views:  
 Rank: "Girls Like You"[53]  
 Name: Maroon 5  
 Artist: 3.53  
 Upload date: May 31, 2018  
 Views:  
 Rank: "Lean On"[54]  
 Name: Major Lazer Official  
 Artist: 3.51  
 Upload date: March 22, 2015  
 Views:

In [19]: `df=pd.DataFrame(data)`

In [20]: `df`

Out[20]:

	Rank	Name	Artist	Upload date	Views
0	"Baby Shark Dance"[6]	Pinkfong Baby Shark - Kids' Songs & Stories	13.78	June 17, 2016	[A]
1	"Despacito"[9]	Luis Fonsi	8.33	January 12, 2017	[B]
2	"Johny Johny Yes Papa"[17]	LooLoo Kids - Nursery Rhymes and Children's Songs	6.85	October 8, 2016	
3	"Bath Song"[18]	Cocomelon - Nursery Rhymes	6.52	May 2, 2018	
4	"Shape of You"[19]	Ed Sheeran	6.15	January 30, 2017	[C]
5	"See You Again"[22]	Wiz Khalifa	6.11	April 6, 2015	[D]
6	"Wheels on the Bus"[27]	Cocomelon - Nursery Rhymes	5.74	May 24, 2018	
7	"Phonics Song with Two Words"[28]	ChuChu TV Nursery Rhymes & Kids Songs	5.59	March 6, 2014	
8	"Uptown Funk"[29]	Mark Ronson	5.10	November 19, 2014	
9	"Learning Colors – Colorful Eggs on a Farm"[30]	Miroshka TV	5.03	February 27, 2018	
10	"Gangnam Style"[31]	Psy	4.98	July 15, 2012	[E]
11	"Masha and the Bear – Recipe for Disaster"[36]	Get Movies	4.57	January 31, 2012	
12	"Dame Tu Cosita"[37]	Ultra Records	4.49	April 5, 2018	
13	"Axel F"[38]	Crazy Frog	4.19	June 16, 2009	
14	"Sugar"[39]	Maroon 5	3.97	January 14, 2015	

15	"Counting Stars"[40]	OneRepublic	3.93	May 31, 2013
16	"Roar"[41]	Katy Perry	3.92	September 5, 2013
17	"Baa Baa Black Sheep"[42]	Cocomelon - Nursery Rhymes	3.86	June 25, 2018
18	"Waka Waka (This Time for Africa)"[43]	Shakira	3.80	June 4, 2010
19	"Lakdi Ki Kathi"[44]	Jingle Toons	3.78	June 14, 2018
20	"Sorry"[45]	Justin Bieber	3.74	October 22, 2015
21	"Thinking Out Loud"[46]	Ed Sheeran	3.70	October 7, 2014
22	"Humpty the train on a fruits ride"[47]	Kiddiestv Hindi - Nursery Rhymes & Kids Songs	3.65	January 26, 2018
23	"Dark Horse"[48]	Katy Perry	3.64	February 20, 2014
24	"Perfect"[49]	Ed Sheeran	3.61	November 9, 2017
25	"Shree Hanuman Chalisa"[50]	T-Series Bhakti Sagar	3.57	May 10, 2011
26	"Let Her Go"[51]	Passenger	3.57	July 25, 2012
27	"Faded"[52]	Alan Walker	3.56	December 3, 2015
28	"Girls Like You"[53]	Maroon 5	3.53	May 31, 2018
29	"Lean On"[54]	Major Lazer Official	3.51	March 22, 2015

```
In [21]: #2.
driver.get('https://www.bcci.tv/international/fixtures')
```

```
In [22]: button_click=driver.find_element(By.XPATH, "/html/body/header/div[3]/div[2]/ul/div[1]/a[1]")
button_click.click()
```

```
In [23]: series = []
place = []
date = []
time = []
```

```
In [25]: try:
series_element= driver.find_element(By.XPATH, '//div[@class="match-card match-card-fw"]')
series.append(series_element.text)
except NoSuchElementException:
series.append('N/A')
```

```
In [26]: try:
place_element = driver.find_element(By.XPATH, '//div[@class="match-place ng-scope"]')
place.append(place_element.text)
except NoSuchElementException:
place.append('N/A')
```

```
In [27]: try:
date_element = driver.find_element(By.XPATH, '//div[@class="match-dates ng-binding"]')
date.append(date_element.text)
except NoSuchElementException:
date.append('N/A')
```

```
In [28]: try:
        time_element = driver.find_element(By.XPATH, '//div[@class="match-time no-margin ng-
        time.append(time_element.text)
    except NoSuchElementException:
        time.append('N/A')
```

```
In [29]: data = {
        'Series': series,
        'Place': place,
        'Date': date,
        'Time': time
    }
```

```
In [30]: df = pd.DataFrame(data)
```

```
In [31]: df
```

```
Out[31]:
```

	Series	Place	Date	Time
0	AUSTRALIA WOMEN TOUR OF INDIA 2023-24	Wankhede Stadium, Mumbai	26 DECEMBER, 2023	1:30 PM IST

```
In [ ]: #only one record is displaying for international fixtures
```

```
In [32]: #3.
        driver.get('https://www.statisticstimes.com/')
```

```
In [33]: dropdown_click=driver.find_element(By.XPATH, '/html/body/div[2]/div[1]/div[2]/div[2]')
        dropdown_click.click()
```

```
In [34]: select_click=driver.find_element(By.XPATH, '/html/body/div[2]/div[1]/div[2]/div[2]/div/a')
        select_click.click()
```

```
In [35]: nselect=driver.find_element(By.XPATH, '/html/body/div[2]/div[2]/div[2]/ul/li[1]/a')
        nselect.click()
```

```
In [36]: table = driver.find_element(By.CLASS_NAME, 'display')

        rows = table.find_elements(By.TAG_NAME, 'tr')

        data = []

        for row in rows[1:]:
            columns = row.find_elements(By.TAG_NAME, 'td')

            if len(columns) >= 6:

                item = {
                    'Rank': columns[0].text,
                    'State': columns[1].text,
                    'GSDP(18-19)- at current prices': columns[2].text,
                    'GSDP(19-20)- at current prices': columns[3].text,
                    'Share(18-19)': columns[4].text,
                    'GDP($ billion)': columns[5].text
                }

                data.append(item)
            else:
                print("Skipping row with insufficient data")
```

Skipping row with insufficient data

```
In [37]: pd.set_option('display.max_columns', None)
pd.set_option('display.expand_frame_repr', False)
df = pd.DataFrame(data)
```

```
In [38]: df
```

Out[38]:

	Rank	State	GSDP(18-19)- at current prices	GSDP(19-20)- at current prices	Share(18-19)	GDP(\$ billion)
0	1	Maharashtra	-	3,108,022	13.24%	417.163
1	2	Tamil Nadu	2,364,514	2,071,286	8.82%	278.011
2	3	Uttar Pradesh	2,257,575	1,974,532	8.41%	265.024
3	4	Karnataka	2,241,368	1,962,725	8.36%	263.440
4	5	Gujarat	-	1,937,066	8.25%	259.996
5	6	West Bengal	1,554,992	1,363,926	5.81%	183.068
6	7	Rajasthan	1,413,620	1,218,193	5.19%	163.507
7	8	Madhya Pradesh	1,322,821	1,136,137	4.84%	152.494
8	9	Andhra Pradesh	1,317,728	1,133,837	4.83%	152.185
9	10	Telangana	1,313,391	1,128,907	4.81%	151.523
10	11	Kerala	-	932,470	3.97%	125.157
11	12	Delhi	1,043,759	904,642	3.85%	121.422
12	13	Haryana	994,154	870,665	3.71%	116.862
13	14	Odisha	774,869	670,881	2.86%	90.047
14	15	Bihar	751,396	650,302	2.77%	87.284
15	16	Punjab	673,107	614,227	2.62%	82.442
16	17	Assam	493,167	412,612	1.76%	55.381
17	18	Chhattisgarh	457,608	406,416	1.73%	54.550
18	19	Jharkhand	393,722	358,863	1.53%	48.167
19	20	Uttarakhand	302,621	272,159	1.16%	36.530
20	21	Jammu & Kashmir-UT	227,927	199,917	0.85%	26.833
21	22	Himachal Pradesh	195,405	176,269	0.75%	23.659
22	23	Goa	-	82,604	0.35%	11.087
23	24	Tripura	72,636	62,550	0.27%	8.396
24	25	Chandigarh	-	45,635	0.19%	6.125
25	26	Puducherry	-	44,238	0.19%	5.938
26	27	Meghalaya	42,697	38,785	0.17%	5.206
27	28	Sikkim	42,756	37,557	0.16%	5.041
28	29	Manipur	-	36,594	0.16%	4.912
29	30	Arunachal Pradesh	-	35,124	0.15%	4.714
30	31	Nagaland	-	31,913	0.14%	4.283





```
'Weeks on Board': Weekson_board
}
```

```
In [45]: df = pd.DataFrame(data)
```

```
In [46]: df[0:100]
```

```
Out[46]:
```

	Song Name	Artist Name	Last Week Rank	Weeks on Board
0	All I Want For Christmas Is You	Mariah Carey	1	64
1	Rockin' Around The Christmas Tree	Brenda Lee		57
2	Jingle Bell Rock	Bobby Helms	2	55
3	Last Christmas	Wham!		37
4	A Holly Jolly Christmas	Burl Ives	3	38
...	...	...	...	...
95	Winter Wonderland	Chloe		1
96	Run For The Hills	Tate McRae	53	2
97	Que Onda	Calle 24 x Chino Pacas x Fuerza Regida		12
98	Great Gatsby	Rod Wave	44	13
99	One Of The Girls	The Weeknd, JENNIE & Lily Rose Depp		1

100 rows × 4 columns

```
In [47]: #6.
driver.get('https://www.theguardian.com/news/datablog/2012/aug/09/best-selling-books-all')
```

```
In [48]: rows = driver.find_elements(By.XPATH,"//table[contains(@class, 'in-article')]/tbody/tr")
```

```
In [49]: for row in rows[1:]:
    cells = row.find_elements(By.TAG_NAME,"td")

    book_name = cells[1].text
    author_name = cells[2].text
    volumes_sold = cells[3].text
    publisher = cells[4].text
    genre = cells[5].text

    print("Book Name:", book_name)
    print("Author Name:", author_name)
    print("Volumes Sold:", volumes_sold)
    print("Publisher:", publisher)
    print("Genre:", genre)
    print("-----")
```

Book Name: Harry Potter and the Deathly Hallows  
Author Name: Rowling, J.K.  
Volumes Sold: 4,475,152  
Publisher: Bloomsbury  
Genre: Children's Fiction  
-----

Book Name: Harry Potter and the Philosopher's Stone  
Author Name: Rowling, J.K.  
Volumes Sold: 4,200,654  
Publisher: Bloomsbury  
Genre: Children's Fiction

-----  
Book Name: Harry Potter and the Order of the Phoenix  
Author Name: Rowling, J.K.  
Volumes Sold: 4,179,479  
Publisher: Bloomsbury  
Genre: Children's Fiction  
-----

Book Name: Fifty Shades of Grey  
Author Name: James, E. L.  
Volumes Sold: 3,758,936  
Publisher: Random House  
Genre: Romance & Sagas  
-----

Book Name: Harry Potter and the Goblet of Fire  
Author Name: Rowling, J.K.  
Volumes Sold: 3,583,215  
Publisher: Bloomsbury  
Genre: Children's Fiction  
-----

Book Name: Harry Potter and the Chamber of Secrets  
Author Name: Rowling, J.K.  
Volumes Sold: 3,484,047  
Publisher: Bloomsbury  
Genre: Children's Fiction  
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Book Name: Harry Potter and the Prisoner of Azkaban  
Author Name: Rowling, J.K.  
Volumes Sold: 3,377,906  
Publisher: Bloomsbury  
Genre: Children's Fiction  
-----

Book Name: Angels and Demons  
Author Name: Brown, Dan  
Volumes Sold: 3,193,946  
Publisher: Transworld  
Genre: Crime, Thriller & Adventure  
-----

Book Name: Harry Potter and the Half-blood Prince: Children's Edition  
Author Name: Rowling, J.K.  
Volumes Sold: 2,950,264  
Publisher: Bloomsbury  
Genre: Children's Fiction  
-----

Book Name: Fifty Shades Darker  
Author Name: James, E. L.  
Volumes Sold: 2,479,784  
Publisher: Random House  
Genre: Romance & Sagas  
-----

Book Name: Twilight  
Author Name: Meyer, Stephenie  
Volumes Sold: 2,315,405  
Publisher: Little, Brown Book  
Genre: Young Adult Fiction  
-----

Book Name: Girl with the Dragon Tattoo, The Millennium Trilogy  
Author Name: Larsson, Stieg  
Volumes Sold: 2,233,570  
Publisher: Quercus  
Genre: Crime, Thriller & Adventure  
-----

Book Name: Fifty Shades Freed  
Author Name: James, E. L.  
Volumes Sold: 2,193,928  
Publisher: Random House  
Genre: Romance & Sagas

-----  
Book Name: Lost Symbol,The  
Author Name: Brown, Dan  
Volumes Sold: 2,183,031  
Publisher: Transworld  
Genre: Crime, Thriller & Adventure  
-----

Book Name: New Moon  
Author Name: Meyer, Stephenie  
Volumes Sold: 2,152,737  
Publisher: Little, Brown Book  
Genre: Young Adult Fiction  
-----

Book Name: Deception Point  
Author Name: Brown, Dan  
Volumes Sold: 2,062,145  
Publisher: Transworld  
Genre: Crime, Thriller & Adventure  
-----

Book Name: Eclipse  
Author Name: Meyer, Stephenie  
Volumes Sold: 2,052,876  
Publisher: Little, Brown Book  
Genre: Young Adult Fiction  
-----

Book Name: Lovely Bones,The  
Author Name: Sebold, Alice  
Volumes Sold: 2,005,598  
Publisher: Pan Macmillan  
Genre: General & Literary Fiction  
-----

Book Name: Curious Incident of the Dog in the Night-time,The  
Author Name: Haddon, Mark  
Volumes Sold: 1,979,552  
Publisher: Random House  
Genre: General & Literary Fiction  
-----

Book Name: Digital Fortress  
Author Name: Brown, Dan  
Volumes Sold: 1,928,900  
Publisher: Transworld  
Genre: Crime, Thriller & Adventure  
-----

Book Name: Short History of Nearly Everything,A  
Author Name: Bryson, Bill  
Volumes Sold: 1,852,919  
Publisher: Transworld  
Genre: Popular Science  
-----

Book Name: Girl Who Played with Fire,The:Millennium Trilogy  
Author Name: Larsson, Stieg  
Volumes Sold: 1,814,784  
Publisher: Quercus  
Genre: Crime, Thriller & Adventure  
-----

Book Name: Breaking Dawn  
Author Name: Meyer, Stephenie  
Volumes Sold: 1,787,118  
Publisher: Little, Brown Book  
Genre: Young Adult Fiction  
-----

Book Name: Very Hungry Caterpillar,The:The Very Hungry Caterpillar  
Author Name: Carle, Eric  
Volumes Sold: 1,783,535  
Publisher: Penguin  
Genre: Picture Books

-----  
Book Name: Gruffalo,The  
Author Name: Donaldson, Julia  
Volumes Sold: 1,781,269  
Publisher: Pan Macmillan  
Genre: Picture Books  
-----

Book Name: Jamie's 30-Minute Meals  
Author Name: Oliver, Jamie  
Volumes Sold: 1,743,266  
Publisher: Penguin  
Genre: Food & Drink: General  
-----

Book Name: Kite Runner,The  
Author Name: Hosseini, Khaled  
Volumes Sold: 1,629,119  
Publisher: Bloomsbury  
Genre: General & Literary Fiction  
-----

Book Name: One Day  
Author Name: Nicholls, David  
Volumes Sold: 1,616,068  
Publisher: Hodder & Stoughton  
Genre: General & Literary Fiction  
-----

Book Name: Thousand Splendid Suns,A  
Author Name: Hosseini, Khaled  
Volumes Sold: 1,583,992  
Publisher: Bloomsbury  
Genre: General & Literary Fiction  
-----

Book Name: Girl Who Kicked the Hornets' Nest,The:Millennium Trilogy  
Author Name: Larsson, Stieg  
Volumes Sold: 1,555,135  
Publisher: Quercus  
Genre: Crime, Thriller & Adventure  
-----

Book Name: Time Traveler's Wife,The  
Author Name: Niffenegger, Audrey  
Volumes Sold: 1,546,886  
Publisher: Random House  
Genre: General & Literary Fiction  
-----

Book Name: Atonement  
Author Name: McEwan, Ian  
Volumes Sold: 1,539,428  
Publisher: Random House  
Genre: General & Literary Fiction  
-----

Book Name: Bridget Jones's Diary:A Novel  
Author Name: Fielding, Helen  
Volumes Sold: 1,508,205  
Publisher: Pan Macmillan  
Genre: General & Literary Fiction  
-----

Book Name: World According to Clarkson,The  
Author Name: Clarkson, Jeremy  
Volumes Sold: 1,489,403  
Publisher: Penguin  
Genre: Humour: Collections & General  
-----

Book Name: Captain Corelli's Mandolin  
Author Name: Bernieres, Louis de  
Volumes Sold: 1,352,318  
Publisher: Random House  
Genre: General & Literary Fiction

-----  
Book Name: Sound of Laughter,The  
Author Name: Kay, Peter  
Volumes Sold: 1,310,207  
Publisher: Random House  
Genre: Autobiography: General  
-----

Book Name: Life of Pi  
Author Name: Martel, Yann  
Volumes Sold: 1,310,176  
Publisher: Canongate  
Genre: General & Literary Fiction  
-----

Book Name: Billy Connolly  
Author Name: Stephenson, Pamela  
Volumes Sold: 1,231,957  
Publisher: HarperCollins  
Genre: Biography: The Arts  
-----

Book Name: Child Called It,A  
Author Name: Pelzer, Dave  
Volumes Sold: 1,217,712  
Publisher: Orion  
Genre: Autobiography: General  
-----

Book Name: Gruffalo's Child,The  
Author Name: Donaldson, Julia  
Volumes Sold: 1,208,711  
Publisher: Pan Macmillan  
Genre: Picture Books  
-----

Book Name: Angela's Ashes:A Memoir of a Childhood  
Author Name: McCourt, Frank  
Volumes Sold: 1,204,058  
Publisher: HarperCollins  
Genre: Autobiography: General  
-----

Book Name: Birdsong  
Author Name: Faulks, Sebastian  
Volumes Sold: 1,184,967  
Publisher: Random House  
Genre: General & Literary Fiction  
-----

Book Name: Northern Lights:His Dark Materials S.  
Author Name: Pullman, Philip  
Volumes Sold: 1,181,503  
Publisher: Scholastic Ltd.  
Genre: Young Adult Fiction  
-----

Book Name: Labyrinth  
Author Name: Mosse, Kate  
Volumes Sold: 1,181,093  
Publisher: Orion  
Genre: General & Literary Fiction  
-----

Book Name: Harry Potter and the Half-blood Prince  
Author Name: Rowling, J.K.  
Volumes Sold: 1,153,181  
Publisher: Bloomsbury  
Genre: Science Fiction & Fantasy  
-----

Book Name: Help,The  
Author Name: Stockett, Kathryn  
Volumes Sold: 1,132,336  
Publisher: Penguin  
Genre: General & Literary Fiction

-----  
Book Name: Man and Boy  
Author Name: Parsons, Tony  
Volumes Sold: 1,130,802  
Publisher: HarperCollins  
Genre: General & Literary Fiction  
-----

Book Name: Memoirs of a Geisha  
Author Name: Golden, Arthur  
Volumes Sold: 1,126,337  
Publisher: Random House  
Genre: General & Literary Fiction  
-----

Book Name: No.1 Ladies' Detective Agency,The:No.1 Ladies' Detective Agency S.  
Author Name: McCall Smith, Alexander  
Volumes Sold: 1,115,549  
Publisher: Little, Brown Book  
Genre: Crime, Thriller & Adventure  
-----

Book Name: Island,The  
Author Name: Hislop, Victoria  
Volumes Sold: 1,108,328  
Publisher: Headline  
Genre: General & Literary Fiction  
-----

Book Name: PS, I Love You  
Author Name: Ahern, Cecelia  
Volumes Sold: 1,107,379  
Publisher: HarperCollins  
Genre: General & Literary Fiction  
-----

Book Name: You are What You Eat:The Plan That Will Change Your Life  
Author Name: McKeith, Gillian  
Volumes Sold: 1,104,403  
Publisher: Penguin  
Genre: Fitness & Diet  
-----

Book Name: Shadow of the Wind,The  
Author Name: Zafon, Carlos Ruiz  
Volumes Sold: 1,092,349  
Publisher: Orion  
Genre: General & Literary Fiction  
-----

Book Name: Tales of Beedle the Bard,The  
Author Name: Rowling, J.K.  
Volumes Sold: 1,090,847  
Publisher: Bloomsbury  
Genre: Children's Fiction  
-----

Book Name: Broker,The  
Author Name: Grisham, John  
Volumes Sold: 1,087,262  
Publisher: Random House  
Genre: Crime, Thriller & Adventure  
-----

Book Name: Dr. Atkins' New Diet Revolution:The No-hunger, Luxurious Weight Loss P  
Author Name: Atkins, Robert C.  
Volumes Sold: 1,054,196  
Publisher: Random House  
Genre: Fitness & Diet  
-----

Book Name: Subtle Knife,The:His Dark Materials S.  
Author Name: Pullman, Philip  
Volumes Sold: 1,037,160  
Publisher: Scholastic Ltd.  
Genre: Young Adult Fiction

-----  
Book Name: Eats, Shoots and Leaves:The Zero Tolerance Approach to Punctuation  
Author Name: Truss, Lynne  
Volumes Sold: 1,023,688  
Publisher: Profile Books Group  
Genre: Usage & Writing Guides  
-----

Book Name: Delia's How to Cook:(Bk.1)  
Author Name: Smith, Delia  
Volumes Sold: 1,015,956  
Publisher: Random House  
Genre: Food & Drink: General  
-----

Book Name: Chocolat  
Author Name: Harris, Joanne  
Volumes Sold: 1,009,873  
Publisher: Transworld  
Genre: General & Literary Fiction  
-----

Book Name: Boy in the Striped Pyjamas,The  
Author Name: Boyne, John  
Volumes Sold: 1,004,414  
Publisher: Random House Childrens Books G  
Genre: Young Adult Fiction  
-----

Book Name: My Sister's Keeper  
Author Name: Picoult, Jodi  
Volumes Sold: 1,003,780  
Publisher: Hodder & Stoughton  
Genre: General & Literary Fiction  
-----

Book Name: Amber Spyglass,The:His Dark Materials S.  
Author Name: Pullman, Philip  
Volumes Sold: 1,002,314  
Publisher: Scholastic Ltd.  
Genre: Young Adult Fiction  
-----

Book Name: To Kill a Mockingbird  
Author Name: Lee, Harper  
Volumes Sold: 998,213  
Publisher: Random House  
Genre: General & Literary Fiction  
-----

Book Name: Men are from Mars, Women are from Venus:A Practical Guide for Improvin  
Author Name: Gray, John  
Volumes Sold: 992,846  
Publisher: HarperCollins  
Genre: Popular Culture & Media: General Interest  
-----

Book Name: Dear Fatty  
Author Name: French, Dawn  
Volumes Sold: 986,753  
Publisher: Random House  
Genre: Autobiography: The Arts  
-----

Book Name: Short History of Tractors in Ukrainian,A  
Author Name: Lewycka, Marina  
Volumes Sold: 986,115  
Publisher: Penguin  
Genre: General & Literary Fiction  
-----

Book Name: Hannibal  
Author Name: Harris, Thomas  
Volumes Sold: 970,509  
Publisher: Random House  
Genre: Crime, Thriller & Adventure

-----  
Book Name: Lord of the Rings,The  
Author Name: Tolkien, J. R. R.  
Volumes Sold: 967,466  
Publisher: HarperCollins  
Genre: Science Fiction & Fantasy  
-----

Book Name: Stupid White Men:...and Other Sorry Excuses for the State of the Natio  
Author Name: Moore, Michael  
Volumes Sold: 963,353  
Publisher: Penguin  
Genre: Current Affairs & Issues  
-----

Book Name: Interpretation of Murder,The  
Author Name: Rubinfeld, Jed  
Volumes Sold: 962,515  
Publisher: Headline  
Genre: Crime, Thriller & Adventure  
-----

Book Name: Sharon Osbourne Extreme:My Autobiography  
Author Name: Osbourne, Sharon  
Volumes Sold: 959,496  
Publisher: Little, Brown Book  
Genre: Autobiography: The Arts  
-----

Book Name: Alchemist,The:A Fable About Following Your Dream  
Author Name: Coelho, Paulo  
Volumes Sold: 956,114  
Publisher: HarperCollins  
Genre: General & Literary Fiction  
-----

Book Name: At My Mother's Knee ...:and Other Low Joints  
Author Name: O'Grady, Paul  
Volumes Sold: 945,640  
Publisher: Transworld  
Genre: Autobiography: The Arts  
-----

Book Name: Notes from a Small Island  
Author Name: Bryson, Bill  
Volumes Sold: 931,312  
Publisher: Transworld  
Genre: Travel Writing  
-----

Book Name: Return of the Naked Chef,The  
Author Name: Oliver, Jamie  
Volumes Sold: 925,425  
Publisher: Penguin  
Genre: Food & Drink: General  
-----

Book Name: Bridget Jones: The Edge of Reason  
Author Name: Fielding, Helen  
Volumes Sold: 924,695  
Publisher: Pan Macmillan  
Genre: General & Literary Fiction  
-----

Book Name: Jamie's Italy  
Author Name: Oliver, Jamie  
Volumes Sold: 906,968  
Publisher: Penguin  
Genre: National & Regional Cuisine  
-----

Book Name: I Can Make You Thin  
Author Name: McKenna, Paul  
Volumes Sold: 905,086  
Publisher: Transworld  
Genre: Fitness & Diet



-----  
Book Name: Down Under  
Author Name: Bryson, Bill  
Volumes Sold: 890,847  
Publisher: Transworld  
Genre: Travel Writing  
-----

Book Name: Summons, The  
Author Name: Grisham, John  
Volumes Sold: 869,671  
Publisher: Random House  
Genre: Crime, Thriller & Adventure  
-----

Book Name: Small Island  
Author Name: Levy, Andrea  
Volumes Sold: 869,659  
Publisher: Headline  
Genre: General & Literary Fiction  
-----

Book Name: Nigella Express  
Author Name: Lawson, Nigella  
Volumes Sold: 862,602  
Publisher: Random House  
Genre: Food & Drink: General  
-----

Book Name: Brick Lane  
Author Name: Ali, Monica  
Volumes Sold: 856,540  
Publisher: Transworld  
Genre: General & Literary Fiction  
-----

Book Name: Memory Keeper's Daughter, The  
Author Name: Edwards, Kim  
Volumes Sold: 845,858  
Publisher: Penguin  
Genre: General & Literary Fiction  
-----

Book Name: Room on the Broom  
Author Name: Donaldson, Julia  
Volumes Sold: 842,535  
Publisher: Pan Macmillan  
Genre: Picture Books  
-----

Book Name: About a Boy  
Author Name: Hornby, Nick  
Volumes Sold: 828,215  
Publisher: Penguin  
Genre: General & Literary Fiction  
-----

Book Name: My Booky Wook  
Author Name: Brand, Russell  
Volumes Sold: 820,563  
Publisher: Hodder & Stoughton  
Genre: Autobiography: The Arts  
-----

Book Name: God Delusion, The  
Author Name: Dawkins, Richard  
Volumes Sold: 816,907  
Publisher: Transworld  
Genre: Popular Science  
-----

Book Name: "Beano" Annual, The  
Author Name: 0  
Volumes Sold: 816,585  
Publisher: D.C. Thomson  
Genre: Children's Annuals

-----  
Book Name: White Teeth  
Author Name: Smith, Zadie  
Volumes Sold: 815,586  
Publisher: Penguin  
Genre: General & Literary Fiction  
-----

Book Name: House at Riverton, The  
Author Name: Morton, Kate  
Volumes Sold: 814,370  
Publisher: Pan Macmillan  
Genre: General & Literary Fiction  
-----

Book Name: Book Thief, The  
Author Name: Zusak, Markus  
Volumes Sold: 809,641  
Publisher: Transworld  
Genre: General & Literary Fiction  
-----

Book Name: Nights of Rain and Stars  
Author Name: Binchy, Maeve  
Volumes Sold: 808,900  
Publisher: Orion  
Genre: General & Literary Fiction  
-----

Book Name: Ghost, The  
Author Name: Harris, Robert  
Volumes Sold: 807,311  
Publisher: Random House  
Genre: General & Literary Fiction  
-----

Book Name: Happy Days with the Naked Chef  
Author Name: Oliver, Jamie  
Volumes Sold: 794,201  
Publisher: Penguin  
Genre: Food & Drink: General  
-----

Book Name: Hunger Games, The: Hunger Games Trilogy  
Author Name: Collins, Suzanne  
Volumes Sold: 792,187  
Publisher: Scholastic Ltd.  
Genre: Young Adult Fiction  
-----

Book Name: Lost Boy, The: A Foster Child's Search for the Love of a Family  
Author Name: Pelzer, Dave  
Volumes Sold: 791,507  
Publisher: Orion  
Genre: Biography: General  
-----

Book Name: Jamie's Ministry of Food: Anyone Can Learn to Cook in 24 Hours  
Author Name: Oliver, Jamie  
Volumes Sold: 791,095  
Publisher: Penguin  
Genre: Food & Drink: General  
-----

```
In [54]: print(len(book_name), len(author_name), len(volumes_sold), len(publisher), len(genre))  
61 13 7 7 21
```

```
In [51]: data= {  
    "Book Name": book_name,  
    "Author Name": author_name,  
    "Volumes Sold": volumes_sold,  
    "Publisher": publisher,
```

```
"Genre": genre
}
```

```
In [ ]: df= pd.DataFrame(data)
```

```
In [53]: df
```

```
Out[53]:
```

	Song Name	Artist Name	Last Week Rank	Weeks on Board
0	All I Want For Christmas Is You	Mariah Carey	1	64
1	Rockin' Around The Christmas Tree	Brenda Lee		57
2	Jingle Bell Rock	Bobby Helms	2	55
3	Last Christmas	Wham!		37
4	A Holly Jolly Christmas	Burl Ives	3	38
...	...	...	...	...
195	N/A	N/A		N/A
196	N/A	N/A	-	N/A
197	N/A	N/A		N/A
198	N/A	N/A	-	N/A
199	N/A	N/A		N/A

200 rows × 4 columns

```
In [55]: #8.
driver.get('https://archive.ics.uci.edu/')
```

```
In [56]: options=driver.find_element(By.XPATH,"/html/body/div/div[1]/div[1]/main/div/div[1]/div/d
options.click()
```

```
In [59]: #Fetching product URL first
product_url=[]
start=0
end=3

for page in range(start,end):
    urls=driver.find_elements(By.XPATH,"//div[@class="relative col-span-8 sm:col-span-7"
    for url in urls:
        product_url.append(url.get_attribute('href'))
        print("Appended URL:", url.get_attribute('href'))
    next_button=driver.find_element(By.XPATH,"/html/body/div/div[1]/div[1]/main/div/div[
    next_button.click()
    print("Finished processing page", page)
```

```
Appended URL: https://archive.ics.uci.edu/dataset/222/bank+marketing
Appended URL: https://archive.ics.uci.edu/dataset/73/mushroom
Appended URL: https://archive.ics.uci.edu/dataset/1/abalone
Appended URL: https://archive.ics.uci.edu/dataset/20/census+income
Appended URL: https://archive.ics.uci.edu/dataset/320/student+performance
Appended URL: https://archive.ics.uci.edu/dataset/144/statlog+german+credit+data
Appended URL: https://archive.ics.uci.edu/dataset/10/automobile
Appended URL: https://archive.ics.uci.edu/dataset/14/breast+cancer
Appended URL: https://archive.ics.uci.edu/dataset/352/online+retail
Appended URL: https://archive.ics.uci.edu/dataset/9/auto+mpg
Finished processing page 0
Appended URL: https://archive.ics.uci.edu/dataset/222/bank+marketing
```

```

Appended URL: https://archive.ics.uci.edu/dataset/73/mushroom
Appended URL: https://archive.ics.uci.edu/dataset/1/abalone
Appended URL: https://archive.ics.uci.edu/dataset/20/census+income
Appended URL: https://archive.ics.uci.edu/dataset/320/student+performance
Appended URL: https://archive.ics.uci.edu/dataset/144/statlog+german+credit+data
Appended URL: https://archive.ics.uci.edu/dataset/10/automobile
Appended URL: https://archive.ics.uci.edu/dataset/14/breast+cancer
Appended URL: https://archive.ics.uci.edu/dataset/352/online+retail
Appended URL: https://archive.ics.uci.edu/dataset/9/auto+mpg
Finished processing page 1
Appended URL: https://archive.ics.uci.edu/dataset/222/bank+marketing
Appended URL: https://archive.ics.uci.edu/dataset/73/mushroom
Appended URL: https://archive.ics.uci.edu/dataset/1/abalone
Appended URL: https://archive.ics.uci.edu/dataset/20/census+income
Appended URL: https://archive.ics.uci.edu/dataset/320/student+performance
Appended URL: https://archive.ics.uci.edu/dataset/144/statlog+german+credit+data
Appended URL: https://archive.ics.uci.edu/dataset/10/automobile
Appended URL: https://archive.ics.uci.edu/dataset/14/breast+cancer
Appended URL: https://archive.ics.uci.edu/dataset/352/online+retail
Appended URL: https://archive.ics.uci.edu/dataset/9/auto+mpg
Finished processing page 2

```

```

In [61]: for url in product_url:
         driver.get(url)

```

```

Dataset_name = []
Data_type = []
Task = []
Attribute_type = []
Noof_instances = []
Noof_attribute = []
Year = []

```

```

In [63]: for url in product_url:
         driver.get(url)

         try:
             data_n=driver.find_element(By.XPATH,"/html/body/div/div[1]/div[1]/main/div/div[1]
             Dataset_name.append(data_n.text)
         except NoSuchElementException:
             Dataset_name.append('N/A')

         try:
             D_type=driver.find_element(By.XPATH,"/html/body/div/div[1]/div[1]/main/div/div[1]
             Data_type.append(D_type.text)
         except NoSuchElementException:
             Data_type.append('N/A')

         try:
             task_ele=driver.find_element(By.XPATH,"/html/body/div/div[1]/div[1]/main/div/div
             Task.append(task_ele.text)
         except NoSuchElementException:
             Task.append('N/A')

         try:
             A_type=driver.find_element(By.XPATH,"/html/body/div/div[1]/div[1]/main/div/div[1]
             Attribute_type.append(A_type.text)
         except NoSuchElementException:
             Attribute_type.append('N/A')

         try:

```

```

n_instance=driver.find_element(By.XPATH,"/html/body/div/div[1]/div[1]/main/div/d
Noof_instances.append(n_instance.text)
except NoSuchElementException:
    Noof_instances.append('N/A')

try:
    N_attribute=driver.find_element(By.XPATH,"/html/body/div/div[1]/div[1]/main/div/
    Noof_attribute.append(N_attribute.text)
except NoSuchElementException:
    Noof_attribute.append('N/A')

try:
    Year_ele=driver.find_element(By.XPATH,"/html/body/div/div[1]/div[1]/main/div/div
    Year.append(Year_ele.text)
except NoSuchElementException:
    Year.append('N/A')

```

```

In [64]: data= {
    'Dataset Name': Dataset_name,
    'Data type': Data_type,
    'Task': Task,
    'Attribute type': Attribute_type,
    'No of instances': Noof_instances,
    'No of attribute': Noof_attribute,
    'Year':Year
}

```

```

In [65]: df= pd.DataFrame(data)

```

```

In [66]: df

```

Out[66]:

	Dataset Name	Data type	Task	Attribute type	No of instances	No of attribute	Year
0	Bank Marketing	Business	Classification	Categorical, Integer	45211	16	Donated on 2/13/2012
1	Mushroom	Biology	Classification	Categorical	8124	22	Donated on 4/26/1987
2	Abalone	Biology	Classification, Regression	Categorical, Integer, Real	4177	8	Donated on 11/30/1995
3	Census Income	Social Science	Classification	Categorical, Integer	48842	14	Donated on 4/30/1996
4	Student Performance	Social Science	Classification, Regression	Integer	649	-	Donated on 11/26/2014
5	Statlog (German Credit Data)	Social Science	Classification	Categorical, Integer	1000	20	Donated on 11/16/1994
6	Automobile	Other	Regression	Categorical, Integer, Real	205	25	Donated on 5/18/1987
7	Breast Cancer	Health and Medicine	Classification	Categorical	286	9	Donated on 7/10/1988
8	Online Retail	Business	Classification, Clustering	Integer, Real	541909	6	Donated on 11/5/2015
9	Auto MPG	Other	Regression	Real, Categorical, Integer	398	7	Donated on 7/6/1993
10	Bank Marketing	Business	Classification	Categorical, Integer	45211	16	Donated on 2/13/2012

11	Mushroom	Biology	Classification	Categorical	8124	22	Donated on 4/26/1987
12	Abalone	Biology	Classification, Regression	Categorical, Integer, Real	4177	8	Donated on 11/30/1995
13	Census Income	Social Science	Classification	Categorical, Integer	48842	14	Donated on 4/30/1996
14	Student Performance	Social Science	Classification, Regression	Integer	649	-	Donated on 11/26/2014
15	Statlog (German Credit Data)	Social Science	Classification	Categorical, Integer	1000	20	Donated on 11/16/1994
16	Automobile	Other	Regression	Categorical, Integer, Real	205	25	Donated on 5/18/1987
17	Breast Cancer	Health and Medicine	Classification	Categorical	286	9	Donated on 7/10/1988
18	Online Retail	Business	Classification, Clustering	Integer, Real	541909	6	Donated on 11/5/2015
19	Auto MPG	Other	Regression	Real, Categorical, Integer	398	7	Donated on 7/6/1993
20	Bank Marketing	Business	Classification	Categorical, Integer	45211	16	Donated on 2/13/2012
21	Mushroom	Biology	Classification	Categorical	8124	22	Donated on 4/26/1987
22	Abalone	Biology	Classification, Regression	Categorical, Integer, Real	4177	8	Donated on 11/30/1995
23	Census Income	Social Science	Classification	Categorical, Integer	48842	14	Donated on 4/30/1996
24	Student Performance	Social Science	Classification, Regression	Integer	649	-	Donated on 11/26/2014
25	Statlog (German Credit Data)	Social Science	Classification	Categorical, Integer	1000	20	Donated on 11/16/1994
26	Automobile	Other	Regression	Categorical, Integer, Real	205	25	Donated on 5/18/1987
27	Breast Cancer	Health and Medicine	Classification	Categorical	286	9	Donated on 7/10/1988
28	Online Retail	Business	Classification, Clustering	Integer, Real	541909	6	Donated on 11/5/2015
29	Auto MPG	Other	Regression	Real, Categorical, Integer	398	7	Donated on 7/6/1993

```
In [41]: #7.
print('url= https://www.imdb.com/list/ls095964455/ is no longer available, gives 404 er
url= https://www.imdb.com/list/ls095964455/ is no longer available, gives 404 error
```

```
In [3]: #4.
driver=webdriver.Chrome()
driver.get('https://github.com/')
```

```
In [6]: search=driver.find_element(By.XPATH, "/html/body/div[1]/div[1]/header/div/div[1]/div[2]/b
search.click()
```

```
In [7]: search_bar=driver.find_element(By.XPATH, "/html/body/div[1]/div[1]/header/div/div[2]/div
search_bar.click()
```

```
In [8]: trending_repo=driver.find_element(By.XPATH, "/html/body/div[1]/div[1]/header/div/div[2]/d
trending_repo.send_keys('trending repository')
```

```
In [ ]: search_t=driver.find_element(By.XPATH, "/html/body/div[1]/div[1]/header/div/div[2]/div/di
search_t.click()
```

```
In [17]: #Fetching product URL first
product_url=[]
start=0
end=1

for page in range(start,end):
    urls=driver.find_elements(By.XPATH, '//div[@class="Box-sc-g0xbh4-0 bBwPjs search-titl
    for url in urls:
        product_url.append(url.get_attribute('href'))
        print("Appended URL:", url.get_attribute('href'))
    print("Finished processing page", page)
```

```
Appended URL: https://github.com/ecrmnn/trending-github
Appended URL: https://github.com/anitaa1990/Github-Trending-Repos
Appended URL: https://github.com/rochefort/git-trend
Appended URL: https://github.com/frodeaa/github_trending_archive
Appended URL: https://github.com/ricburton/trending
Appended URL: https://github.com/Semigradsky/trending-repositories
Appended URL: https://github.com/doforce/github-trending
Appended URL: https://github.com/ExpediaDotCom/haystack
Appended URL: https://github.com/benbjohnson/scuttlebutt
Appended URL: https://github.com/yeungeek/monkey-android
Finished processing page 0
```

```
In [18]: for url in product_url:
        driver.get(url)
        time.sleep(3)

Repository_title = []
Repository_description = []
Contributors_count = []
Language_used = []
```

```
In [19]: for url in product_url:
        driver.get(url)
        time.sleep(3)

        try:
            Repo_title=driver.find_element(By.XPATH, "/html/body/div[1]/div[4]/div/main/div/d
            Repository_title.append(Repo_title.text)
        except NoSuchElementException:
            Repository_title.append('N/A')

        try:
            Repo_desc=driver.find_element(By.XPATH, "/html/body/div[1]/div[4]/div/main/turbo-
            Repository_description.append(Repo_desc.text)
        except NoSuchElementException:
            Repository_description.append('N/A')

        try:
```

```

Cont_count=driver.find_element(By.XPATH, "/html/body/div[1]/div[4]/div/main/turbo-
Contributors_count.append(Cont_count.text)
except NoSuchElementException:
    Contributors_count.append('N/A')

try:
    Lang_used=driver.find_element(By.XPATH, "/html/body/div[1]/div[4]/div/main/turbo-
    Language_used.append(Lang_used.text)
except NoSuchElementException:
    Language_used.append('N/A')

```

```

In [20]: data= {
    'Repository title': Repository_title,
    'Repository description': Repository_description,
    'Contributors count': Contributors_count,
    'Language used': Language_used,
    }

```

```

In [21]: df=pd.DataFrame(data)

```

```

In [22]: df

```

Out[22]:

	Repository title	Repository description	Contributors count	Language used
0	trending-github	☑ Simple API for getting trending repositories...	4	TypeScript\n100.0%
1	Github-Trending-Repos	An Android App that lists the most trending re...	N/A	N/A
2	git-trend	fetch Trending repository on github	4	Ruby\n99.7%\nShell\n0.3%
3	github_trending_archive	N/A	2	Python\n47.6%\nHTML\n38.3%\nShell\n14.1%
4	trending	A tiny Ruby API for the trending repositories ...	N/A	N/A
5	trending-repositories	★ This is a list of repositories that were tre...	N/A	N/A
6	github-trending	GitHub trending repositories and developers AP...	3	Python\n97.1%\nDockerfile\n2.9%
7	haystack	Top level repository for Haystack, containing ...	41	HCL\n59.4%\nShell\n20.5%\nSmarty\n14.2%\nJavaS...
8	scuttlebutt	A daemon for tracking and tweeting trending Gi...	4	Go\n99.3%\nMakefile\n0.7%
9	monkey-android	monkey android is a GitHub third party client,...	N/A	N/A

```

In [23]:

```



In [24]:

In [ ]:

In [37]:

In [36]:

In [38]:

In [39]:

In [ ]:

In [ ]: