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'https://en.wikipedia.org/wiki/Python\_(Busch\_Gardens\_Tampa\_Bay)',  
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'https://en.wikipedia.org/wiki/Wikipedia:Text\_of\_Creative\_Commons\_Attribution-ShareAlike 3.0\_Unported\_License',  
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'https://www.wikidata.org/wiki/Special:EntityPage/Q747452',  
'https://www.wikidata.org/wiki/Special:EntityPage/Q747452#itelinks-wikipedia',  
'https://www.wikimediafoundation.org/',  
'https://zh.wikipedia.org/wiki/Python\_(消歧义)'}

11 Write a Python program to check whether a page contains a title or not.

```
In [179]: def check_title(url):  
          session = requests_html import HTMLSession  
          session = HTMLSession()  
          r=session.get(url)  
          link=r.html.find('title')  
  
          #If link is a empty list then no title found  
          if not link:  
              return print('{} does not have a title'.format(url))  
          else:  
              return print('{} has title: {}'.format(url, link[0].text))  
  
check_title("http://www.data.gov")
```

http://www.data.gov has title: Data.gov

12 Write a Python program to list all language names and number of related articles in the order they appear in wikipedia.org.

```
In [ ]: In [169]: from requests_html import HTMLSession  
          session = HTMLSession()  
          r=session.get('https://www.wikipedia.org/')  
          links=r.html.find('a.link-box')  
  
          lang_list=[links[i].text for i in range(len(links))]  
          for i in range(len(lang_list)):  
              print(lang_list[i])  
  
English  
6 226 000+  
articles  
日本語  
1 247 000+  
記事  
Deutsch  
2 522 000+  
Artikel:  
Español  
1 652 000+  
artículos  
Русский  
690 000+  
статьи  
Français  
2 287 000+  
articles  
Italiano  
1 665 000+  
voci  
中文  
1 169 000+  
條目  
Português  
1 051 000+  
artigos  
Polski  
1 448 000+  
hasła
```

13 Write a Python program to get the number of people visiting a U.S. government website right now.

\*\*Source: <https://analytics.usa.gov/data/live/realtime.json>

```
In [19]: from requests_html import HTMLSession  
          session = HTMLSession()  
          url='https://analytics.usa.gov/data/live/realtime.json'  
          r=session.get(url)  
          j=r.json()  
          print('No of active users on webpage {} are {}'.format(url,j['data'][0]['active_visits']))  
  
No of active users on webpage https://analytics.usa.gov/data/live/realtime.json are 324999
```

14 Write a Python program get the number of security alerts issued by US-CERT in the current year.

Source: <https://www.us-cert.gov/ncas/alerts>

```
In [178]: def alert_year(year):  
          from requests_html import HTMLSession  
          session = HTMLSession()  
          total_alert=0  
  
          #loop for all the pages for given year  
          for Page in range(5):  
              url='https://us-cert.cisa.gov/ncas/alerts/({}?page={})'.format(year,Page)  
              r=session.get(url)  
              link=r.html.find('.view-content span')  
              a=[link[i].text for i in range(len(link))]  
              if len(a)==0:  
                  break  
              total_alert+=total_alert+len(a)  
          return print('Total alert for year {} are {}'.format(year,total_alert))  
  
alert_year(2021)
```

Total alert for year 2021 are 1

15 Write a Python program to list all language names and number of Pinterest accounts maintained by U.S. State Department embassies and missions.

\*\*Source: <https://www.state.gov/r/pa/de/sociamedia/>

\* Website not reachable skipping question \*

16 Write a Python program to get the number of followers of a given twitter account.

```
In [1]: from requests_html import AsyncHTMLSession  
          session=AsyncHTMLSession()  
          account_name='BorisJohnson'  
          url=('https://twitter.com/{}'.format(account_name))  
          r = await session.get(url)  
          await r.html.arender(timeout=5,sleep=5)  
          links=r.html.find('[href*=following]')  
          print('Number of follower for twitter account {} are {}'.format(account_name,links[0].text))  
  
Number of follower for twitter account BorisJohnson are 3.2M Followers
```

```
In [198...: import requests  
          from bs4 import BeautifulSoup  
          url='https://twitter.com/narendramodi'  
  
          response=requests.get(url)  
          html=response.content  
          soup = BeautifulSoup(html,'html.parser')  
          with open('twitter.html','wb') as file:  
              file.write(soup.prettyfy('utf-8'))  
          a=soup.find_all('div')  
          a
```

Out[198...: []

17 Write a Python program to get the number of following on Twitter.

```
In [2]: from requests_html import AsyncHTMLSession  
          session=AsyncHTMLSession()  
          account_name='BorisJohnson'  
          url=('https://twitter.com/{}'.format(account_name))  
          r = await session.get(url)  
          await r.html.arender(timeout=5,sleep=5)  
          links=r.html.find('[href*=following]')  
          print('Number of following for twitter account {} are {}'.format(account_name,links[0].text))  
  
Number of following for twitter account BorisJohnson are 455 Following
```

18 Write a Python program to get the number of post on Twitter liked by a given account.

19 Write a Python program to count number of tweets by a given Twitter account.

```
In [3]: from requests_html import AsyncHTMLSession  
          session=AsyncHTMLSession()  
          account_name='BorisJohnson'  
          url=('https://twitter.com/{}'.format(account_name))  
          r = await session.get(url)  
          await r.html.arender(timeout=5,sleep=5)  
          links=r.html.find('[href*=tweet]')  
          links[1].text
```

Out[3]: '4,185 Tweets'

```
In [ ]: 
```