

```
In [1]: pip install requests
```

```
Requirement already satisfied: requests in c:\users\arkad\anaconda3\lib\site-packages (2.28.1)  
Requirement already satisfied: charset-normalizer<3,>=2 in c:\users\arkad\anaconda3\lib\site-packages (from request  
s) (2.0.4)  
Requirement already satisfied: idna<4,>=2.5 in c:\users\arkad\anaconda3\lib\site-packages (from requests) (3.3)  
Requirement already satisfied: urllib3<1.27,>=1.21.1 in c:\users\arkad\anaconda3\lib\site-packages (from requests)  
(1.26.11)  
Requirement already satisfied: certifi>=2017.4.17 in c:\users\arkad\anaconda3\lib\site-packages (from requests) (202  
2.9.14)  
Note: you may need to restart the kernel to use updated packages.
```

```
In [2]: pip install bs4
```

```
Requirement already satisfied: bs4 in c:\users\arkad\anaconda3\lib\site-packages (0.0.1)  
Requirement already satisfied: beautifulsoup4 in c:\users\arkad\anaconda3\lib\site-packages (from bs4) (4.11.1)  
Requirement already satisfied: soupsieve>1.2 in c:\users\arkad\anaconda3\lib\site-packages (from beautifulsoup4->bs  
4) (2.3.1)  
Note: you may need to restart the kernel to use updated packages.
```

```
In [3]: import requests
```

```
In [4]: from bs4 import BeautifulSoup
```

```
In [5]: url="https://www.worldometers.info/coronavirus/"  
response=requests.get(url)  
response
```

```
Out[5]: <Response [200]>
```

```
response.text
```

[illegible]

```
In [7]: soup=BeautifulSoup(response.content, "html.parser")
print(soup.prettify)
```

```
<bound method Tag.prettify of
<!DOCTYPE html>

<!--[if IE 8]> <html lang="en" class="ie8"> <![endif]-->
<!--[if IE 9]> <html lang="en" class="ie9"> <![endif]-->
<!--[if !IE]><!-->
<html lang="en">
<!--<![endif]-->
<head>
<meta charset="utf-8"/>
<meta content="IE=edge" http-equiv="X-UA-Compatible"/>
<meta content="width=device-width, initial-scale=1" name="viewport"/>
<title>COVID - Coronavirus Statistics - Worldometer</title>
<meta content="Daily and weekly updated statistics tracking the number of COVID-19 cases, recovered, and deaths. H
istorical data with cumulative charts, graphs, and updates." name="description"/>
<!-- Favicon -->
<link href="/favicon/favicon.ico" rel="shortcut icon" type="image/x-icon"/>
<link href="/favicon/apple-icon-57x57.png" rel="apple-touch-icon" sizes="57x57"/>
<link href="/favicon/apple-icon-60x60.png" rel="apple-touch-icon" sizes="60x60"/>
<link href="/favicon/apple-icon-72x72.png" rel="apple-touch-icon" sizes="72x72"/>
<link href="/favicon/apple-icon-76x76.png" rel="apple-touch-icon" sizes="76x76"/>
<link href="/favicon/apple-icon-114x114.png" rel="apple-touch-icon" sizes="114x114"/>
<link href="/favicon/apple-icon-120x120.png" rel="apple-touch-icon" sizes="120x120"/>
<link href="/favicon/apple-icon-152x152.png" rel="apple-touch-icon" sizes="152x152"/>
<link href="/favicon/apple-icon-180x180.png" rel="apple-touch-icon" sizes="180x180"/>
<link href="/android-chrome-192x192.png" rel="android-chrome" sizes="192x192"/>
<link href="/android-chrome-512x512.png" rel="android-chrome" sizes="512x512"/>
<link href="/mstile-310x310.png" rel="mstile" sizes="310x310"/>
<link href="/mstile-150x150.png" rel="mstile" sizes="150x150"/>
<link href="/favicon-32x32.png" rel="icon" sizes="32x32"/>
<link href="/favicon-16x16.png" rel="icon" sizes="16x16"/>
<link href="/favicon-48x48.png" rel="icon" sizes="48x48"/>
<!-->
```

```
In [12]: covid_table=soup.find("table",attrs={"id":"main_table_countries_today"})
print(covid_table)
```

```
<table class="table table-bordered table-hover main_table_countries" id="main_table_countries_today" style="width:
100%;margin-top: 0px !important;display:none;">
<thead>
<tr>
<th width="1%">#</th>
<th width="100">Country,<br>Other</br></th>
<th width="20">Total<br>Cases</br></th>
<th width="30">New<br>Cases</br></th>
<th width="30">Total<br>Deaths</br></th>
<th width="30">New<br>Deaths</br></th>
<th width="30">Total<br>Recovered</br></th>
<th width="30">New<br>Recovered</br></th>
<th width="30">Active<br>Cases</br></th>
<th width="30">Serious,<br>Critical</br></th>
<th width="30">Tot Cases/<br>1M pop</th>
<th width="30">Deaths/<br>1M pop</th>
<th width="30">Total<br>Tests</th>
<th width="30">Tests/<br>
<nobr>1M pop</nobr>
</th>
```

```
In [9]: for i in covid_table.find_all("tr"):
        print(i)
```

```
<tr class="total_row_world row_continent" data-continent="North America" style="display: none">
<td></td>
<td style="text-align:left;">
<noabr>North America</noabr>
</td>
<td>125,853,753</td>
<td>+2,178</td>
<td>1,624,263</td>
<td>+19</td>
<td>121,441,959</td>
<td>+3,220</td>
<td>2,787,531</td>
<td>6,998</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td data-continent="North America" style="display:none;">North America</td>
```

```
[<tr>  
  <th width="1%">#</th>  
  <th width="100">Country,<br>Other</br></th>  
  <th width="20">Total<br>Cases</br></th>  
  <th width="30">New<br>Cases</br></th>  
  <th width="30">Total<br>Deaths</br></th>  
  <th width="30">New<br>Deaths</br></th>  
  <th width="30">Total<br>Recovered</br></th>  
  <th width="30">New<br>Recovered</br></th>  
  <th width="30">Active<br>Cases</br></th>  
  <th width="30">Serious,<br>Critical</br></th>  
  <th width="30">Tot Cases/<br>1M pop</th>  
  <th width="30">Deaths/<br>1M pop</th>  
  <th width="30">Total<br>Tests</th>  
  <th width="30">Tests/<br></th>  
<nobr>1M pop</nobr>  
</th>  
  <th width="30">Population</th>  
  <th style="display:none" width="30">Continent</th>  
  <th width="30">1 C...</th>
```

```
data=[]
for i,item in enumerate(rows):
    data.append(item.text.strip().split("\n")[:11])
```

In [61]: data

```
Out[61]: [['#',
          'Country,Other',
          'TotalCases',
          'NewCases',
          'TotalDeaths',
          'NewDeaths',
          'TotalRecovered',
          'NewRecovered',
          'ActiveCases',
          'Serious,Critical',
          'Tot\\xa0Cases/1M pop'],
          ['North America',
          '',
          '125,853,753',
          '+2,178',
          '1,624,263',
          '+19',
          '121,441,959',
          '+3,220',
          '12,787,534']]
```

In [62]: pip install pandas

```
Requirement already satisfied: pandas in c:\users\arkad\anaconda3\lib\site-packages (1.4.4)
Requirement already satisfied: numpy>=1.18.5 in c:\users\arkad\anaconda3\lib\site-packages (from pandas) (1.21.5)
Requirement already satisfied: python-dateutil>=2.8.1 in c:\users\arkad\anaconda3\lib\site-packages (from pandas) (2.8.2)
Requirement already satisfied: pytz>=2020.1 in c:\users\arkad\anaconda3\lib\site-packages (from pandas) (2022.1)
Requirement already satisfied: six>=1.5 in c:\users\arkad\anaconda3\lib\site-packages (from python-dateutil>=2.8.1->pandas) (1.16.0)
Note: you may need to restart the kernel to use updated packages.
```

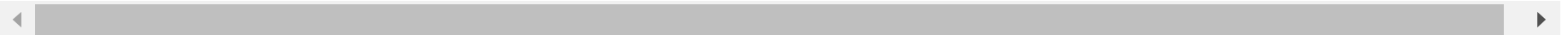
In [63]: **import** pandas **as** pd

```
In [73]: df=pd.DataFrame(data)
df.head(41)
```


Out[73]:

	0	1	2	3	4	5	6	7	8	9	1
0	#	Country,Other	TotalCases	NewCases	TotalDeaths	NewDeaths	TotalRecovered	NewRecovered	ActiveCases	Serious,Critical	Tot Cases/1M po
1	North America		125,853,753	+2,178	1,624,263	+19	121,441,959	+3,220	2,787,531	6,998	
2	Asia		215,473,666	+20,683	1,541,323	+49	199,984,639	+13,904	13,947,704	15,512	
3	Europe		248,062,868	+11,896	2,032,528	+57	243,744,647	+26,481	2,285,693	6,426	
4	South America		68,400,972		1,352,957		66,416,862	+305	631,153	10,174	
5	Oceania		14,043,600	+3,594	26,792	+11	13,866,528	+3,914	150,280	73	
6	Africa		12,813,618		258,670		12,080,953		473,995	548	
7	721		15		706		0	0	None	None	Non
8	World	684,649,198	+38,351	6,836,548	+136	657,536,294	+47,824	20,276,356	39,731	87,834	877.
9	1	USA	106,359,724		1,156,850		104,131,983		1,070,891	1,832	317,67
10	2	India	44,745,104		530,943		44,185,858		28,303	N/A	31,81
11	3	France	39,827,031		165,829		39,524,781		136,421	869	607,26
12	4	Germany	38,368,891		171,411		38,115,800	+5,400	81,680	N/A	457,40
13	5	Brazil	37,319,254		700,556		36,249,161		369,537	N/A	173,29
14	6	Japan	33,508,380	+8,338	74,060	+31	21,723,518	+639	11,710,802	55	266,81
15	7	S. Korea	30,894,559	+10,735	34,318	+9	30,668,651	+3,917	191,590	130	601,88
16	8	Italy	25,695,311		189,089		25,372,554		133,668	84	426,38
17	9	UK	24,448,729		209,396		24,224,774	+3,460	14,559	N/A	356,92
18	10	Russia	22,698,025	+8,915	397,497	+38	22,070,993	+10,685	229,535	N/A	155,67
19	11	Turkey	17,042,722		101,492		N/A	N/A	N/A		199,18
20	12	Spain	13,798,747		120,426		13,645,949		32,372	231	295,35
21	13	Vietnam	11,527,579	+82	43,186		10,615,032	+4	869,361	4	116,49
22	14	Australia	11,352,930	+3,594	19,933	+11	11,291,664	+3,914	41,333	45	435,49
23	15	Taiwan	10,239,998		19,005		10,195,891	+8,414	25,102		428,65

	0	1	2	3	4	5	6	7	8	9	1
24	16	Argentina	10,044,957		130,472		9,914,485		0	363	218,32
25	17	Netherlands	8,610,372		22,992		8,577,128	+1,154	10,252	53	500,27
26	18	Iran	7,592,255		145,391		7,342,490		104,374	407	88,25
27	19	Mexico	7,552,726	+2,178	333,589	+19	6,793,110	+1,983	426,027	N/A	57,40
28	20	Indonesia	6,750,183	+619	161,046	+2	6,582,777	+368	6,360	N/A	24,18
29	21	Poland	6,503,083	+946	119,419	+13	5,335,940		1,047,724	696	172,31
30	22	Colombia	6,363,058		142,690		6,186,006		34,362	342	123,52
31	23	Austria	6,043,962	+1,312	22,176		6,001,973	+782	19,813	55	666,61
32	24	Greece	5,965,643		36,582		5,901,825		27,236	115	578,25
33	25	Portugal	5,576,583		26,450		5,544,023		6,110	61	549,92
34	26	Ukraine	5,465,954		111,676		5,315,684		38,594		126,55
35	27	Chile	5,270,541		64,497		5,202,768		3,276	73	273,79
36	28	Malaysia	5,052,337		36,982		5,004,043		11,312	13	152,26
37	29	Israel	4,815,744		12,415		4,798,473		4,856	21	516,37
38	30	Belgium	4,782,863		34,115		4,703,653	+3,306	45,095	43	409,90
39	31	DPRK	4,772,813		74		4,772,739		0		183,63
40	32	Thailand	4,728,799		33,938		4,692,636		2,225	N/A	67,47



```
In [74]: df=pd.DataFrame(data[8:],columns=data[0][:11])  
df.head(41)
```

Out[74]:

	#	Country,Other	TotalCases	NewCases	TotalDeaths	NewDeaths	TotalRecovered	NewRecovered	ActiveCases	Serious,Critical	Tot Case
0	World	684,649,198	+38,351	6,836,548	+136	657,536,294	+47,824	20,276,356	39,731	87,834	
1	1	USA	106,359,724		1,156,850		104,131,983		1,070,891	1,832	31
2	2	India	44,745,104		530,943		44,185,858		28,303	N/A	3
3	3	France	39,827,031		165,829		39,524,781		136,421	869	60
4	4	Germany	38,368,891		171,411		38,115,800	+5,400	81,680	N/A	45
5	5	Brazil	37,319,254		700,556		36,249,161		369,537	N/A	17
6	6	Japan	33,508,380	+8,338	74,060	+31	21,723,518	+639	11,710,802	55	26
7	7	S. Korea	30,894,559	+10,735	34,318	+9	30,668,651	+3,917	191,590	130	60
8	8	Italy	25,695,311		189,089		25,372,554		133,668	84	42
9	9	UK	24,448,729		209,396		24,224,774	+3,460	14,559	N/A	35
10	10	Russia	22,698,025	+8,915	397,497	+38	22,070,993	+10,685	229,535	N/A	15
11	11	Turkey	17,042,722		101,492		N/A	N/A	N/A		19
12	12	Spain	13,798,747		120,426		13,645,949		32,372	231	29
13	13	Vietnam	11,527,579	+82	43,186		10,615,032	+4	869,361	4	11
14	14	Australia	11,352,930	+3,594	19,933	+11	11,291,664	+3,914	41,333	45	43
15	15	Taiwan	10,239,998		19,005		10,195,891	+8,414	25,102		42
16	16	Argentina	10,044,957		130,472		9,914,485		0	363	21
17	17	Netherlands	8,610,372		22,992		8,577,128	+1,154	10,252	53	50
18	18	Iran	7,592,255		145,391		7,342,490		104,374	407	8
19	19	Mexico	7,552,726	+2,178	333,589	+19	6,793,110	+1,983	426,027	N/A	5
20	20	Indonesia	6,750,183	+619	161,046	+2	6,582,777	+368	6,360	N/A	2
21	21	Poland	6,503,083	+946	119,419	+13	5,335,940		1,047,724	696	17
22	22	Colombia	6,363,058		142,690		6,186,006		34,362	342	12
23	23	Austria	6,043,962	+1,312	22,176		6,001,973	+782	19,813	55	66
24	24	Greece	5,965,643		36,582		5,901,825		27,236	115	57

	#	Country,Other	TotalCases	NewCases	TotalDeaths	NewDeaths	TotalRecovered	NewRecovered	ActiveCases	Serious,Critical	Tot Case
25	25	Portugal	5,576,583		26,450		5,544,023		6,110	61	54
26	26	Ukraine	5,465,954		111,676		5,315,684		38,594		12
27	27	Chile	5,270,541		64,497		5,202,768		3,276	73	27
28	28	Malaysia	5,052,337		36,982		5,004,043		11,312	13	15
29	29	Israel	4,815,744		12,415		4,798,473		4,856	21	51
30	30	Belgium	4,782,863		34,115		4,703,653	+3,306	45,095	43	40
31	31	DPRK	4,772,813		74		4,772,739		0		18
32	32	Thailand	4,728,799		33,938		4,692,636		2,225	N/A	6
33	33	Czechia	4,636,043	+323	42,695		4,587,877	+977	5,471	40	43
34	34	Canada	4,634,277		52,121		4,552,206	+1,237	29,950	99	12
35	35	Peru	4,494,371		219,849		4,270,947	+305	3,575	37	13
36	36	Switzerland	4,399,088		14,452		4,378,012		6,624	39	50
37	37	Philippines	4,083,275	+350	66,409	+6	4,007,298	+95	9,568	162	3
38	38	South Africa	4,075,101		102,595		3,912,506		60,000	192	6
39	39	Romania	3,374,825		67,917		3,291,922		14,986	134	17
40	40	Denmark	3,178,892	+78	8,416	+4	3,169,026	+143	1,450	19	54

In []: