Importing the essential library

In [37]:
```
import pandas as pd
import numpy as np
```

Loading the dataset

In [38]:
```
df = pd.read_csv('country_wise_latest.csv')
df.head()
```

Out[38]:

	Country/Region	Confirmed	Deaths	Recovered	Active	New cases	New deaths	New recovered	Deaths / 100 Cases
0	Afghanistan	36263	1269	25198	9796	106	10	18	3.50
1	Albania	4880	144	2745	1991	117	6	63	2.95
2	Algeria	27973	1163	18837	7973	616	8	749	4.16
3	Andorra	907	52	803	52	10	0	0	5.73
4	Angola	950	41	242	667	18	1	0	4.32

Dealing with Null values and describing the dataset

In [39]:
```
# checking for null values
df.isnull().sum()
```

Out[39]:
```
Country/Region            0
Confirmed                 0
Deaths                    0
Recovered                 0
Active                    0
New cases                 0
New deaths                0
New recovered             0
Deaths / 100 Cases        0
Recovered / 100 Cases     0
Deaths / 100 Recovered    0
Confirmed last week       0
1 week change             0
1 week % increase         0
WHO Region                0
dtype: int64
```

In [40]:
```
# describing data
df.describe()
```

Out[40]:

	Confirmed	Deaths	Recovered	Active	New cases	New deaths
count	1.870000e+02	187.000000	1.870000e+02	1.870000e+02	187.000000	187.000000
mean	8.813094e+04	3497.518717	5.063148e+04	3.400194e+04	1222.957219	28.957219
std	3.833187e+05	14100.002482	1.901882e+05	2.133262e+05	5710.374790	120.037173
min	1.000000e+01	0.000000	0.000000e+00	0.000000e+00	0.000000	0.000000
25%	1.114000e+03	18.500000	6.265000e+02	1.415000e+02	4.000000	0.000000
50%	5.059000e+03	108.000000	2.815000e+03	1.600000e+03	49.000000	1.000000
75%	4.046050e+04	734.000000	2.260600e+04	9.149000e+03	419.500000	6.000000
max	4.290259e+06	148011.000000	1.846641e+06	2.816444e+06	56336.000000	1076.000000

In [41]:
```
# shape of the data
df.shape
```

Out[41]: (187, 15)

In [42]:
```
# size of the data
df.size
```

Out[42]: 2805

* Which Country is having maximum confirmed cases

method 1

In [43]:
```
# maximum confirmed cases in a country

for i in df.sort_values(by = 'Confirmed',ascending = False).head(1).v

    print('Country having maximum confirmed cases : ',i[0])
    print('Confirmed cases                        : ',i[1])
```

```
Country having maximum confirmed cases :  US
Confirmed cases                        :  4290259
```

In [44]:
```
# top country sorted by the confirmed cases due to COVID-19
df.sort_values(by = 'Confirmed' ,ascending = False).head()
```

Out[44]:

	Country/Region	Confirmed	Deaths	Recovered	Active	New cases	New deaths	New recovered	De / Ca
173	US	4290259	148011	1325804	2816444	56336	1076	27941	
23	Brazil	2442375	87618	1846641	508116	23284	614	33728	
79	India	1480073	33408	951166	495499	44457	637	33598	
138	Russia	816680	13334	602249	201097	5607	85	3077	
154	South Africa	452529	7067	274925	170537	7096	298	9848	

method 2 :- Using arrays

In [45]:
```
data = df.values
lst = []
for i in data:
    lst.append(i[1])
for i in data:
    if (i[1] == max(lst)):
        print('Country having maximum confirmed cases : ',i[0])
        print('Confirmed cases                        : ',i[1])
```

```
Country having maximum confirmed cases :  US
Confirmed cases                        :  4290259
```

* Which Country is having maximum deaths?

In [46]:
```
for i in df.sort_values(by = 'Deaths',ascending = False).head(1).valu
    print('Country with maximum death          : ', i[0])
    print('Death cases                         : ', i[2])
```

```
Country with maximum death          :  US
Death cases                         :  148011
```

In [47]:
```
# top country sorted by the death rates due to COVID-19
df.sort_values(by = 'Deaths',ascending = False).head() # shows top 5
```

Out[47]:

	Country/Region	Confirmed	Deaths	Recovered	Active	New cases	New deaths	New recovered	De / Ca
173	US	4290259	148011	1325804	2816444	56336	1076	27941	
23	Brazil	2442375	87618	1846641	508116	23284	614	33728	
177	United Kingdom	301708	45844	1437	254427	688	7	3	1
111	Mexico	395489	44022	303810	47657	4973	342	8588	1
85	Italy	246286	35112	198593	12581	168	5	147	1

method 2 :- Using arrays

In [48]:
```
death = []
for i in data:
    death.append(i[2])
for i in data:
    if (i[2] == max(death)):
        print('Country having maximum confirmed cases : ',i[0])
        print('Confirmed cases                        : ',i[2])
```

```
Country having maximum confirmed cases :  US
Confirmed cases                        :  148011
```