

WEEKLY PROJECT 7

Python program to deal with COVID Analysis-A Dtaset Walkthrough

1)Importing libraries and dataset

```
In [1]: import numpy as np
import pandas as pd

In [2]: df=pd.read_csv('country_wise_latest.csv')
df.head()
```

	Country/Region	Confirmed	Deaths	Recovered	Active	New cases	New deaths	New recovered	Deaths / 100 Cases	Recovered / 100 Cases	Deaths / 100 Recovered	Confirmed last week	1 week change	1 week % increase	WHO Region
0	Afghanistan	36263	1269	25198	9796	106	10	18	3.50	69.49	5.04	35526	737	2.07	Eastern Mediterranean
1	Albania	4880	144	2745	1991	117	6	63	2.95	56.25	5.25	4171	709	17.00	Europe
2	Algeria	27973	1163	18837	7973	616	8	749	4.16	67.34	6.17	23691	4282	18.07	Africa
3	Andorra	907	52	803	52	10	0	0	5.73	88.53	6.48	884	23	2.60	Europe
4	Angola	950	41	242	667	18	1	0	4.32	25.47	16.94	749	201	26.84	Africa

2)Number of Unique Countries

```
In [3]: count=df['Country/Region'].nunique()
print("The number of unique countries in the data are",count)

The number of unique countries in the data are 187
```

3)Checking null values

```
In [6]: df.isnull()
```

	Country/Region	Confirmed	Deaths	Recovered	Active	New cases	New deaths	New recovered	Deaths / 100 Cases	Recovered / 100 Cases	Deaths / 100 Recovered	Confirmed last week	1 week change	1 week % increase	WHO Region
0	False	False	False	False	False	False	False	False	False	False	False	False	False	False	False
1	False	False	False	False	False	False	False	False	False	False	False	False	False	False	False
2	False	False	False	False	False	False	False	False	False	False	False	False	False	False	False
3	False	False	False	False	False	False	False	False	False	False	False	False	False	False	False
4	False	False	False	False	False	False	False	False	False	False	False	False	False	False	False
...
182	False	False	False	False	False	False	False	False	False	False	False	False	False	False	False
183	False	False	False	False	False	False	False	False	False	False	False	False	False	False	False
184	False	False	False	False	False	False	False	False	False	False	False	False	False	False	False
185	False	False	False	False	False	False	False	False	False	False	False	False	False	False	False
186	False	False	False	False	False	False	False	False	False	False	False	False	False	False	False

187 rows × 15 columns

```
In [11]: c=df.isnull().sum()
c

Out[11]: 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 [ ]:
```