

# COVID Analysis - Multi-Columns Analysis

## Importing Library

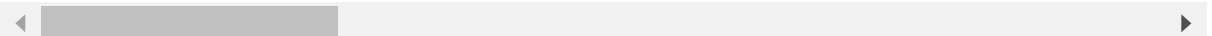
```
In [1]: import pandas as pd  
import numpy as np
```

## Loading Dataset

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

```
Out[2]:
```

	country	iso_code	date	total_vaccinations	people_vaccinated	people_fully_vaccinated	d
0	Afghanistan	AFG	2021-05-27	593313.0	479574.0	113739.0	
1	Afghanistan	AFG	2021-06-03	630305.0	481800.0	148505.0	
2	Afghanistan	AFG	2022-01-27	5081064.0	4517380.0	3868832.0	
3	Albania	ALB	2021-02-18	3049.0	2438.0	611.0	
4	Albania	ALB	2021-05-11	622507.0	440921.0	181586.0	



```
In [3]: df.shape
```

```
Out[3]: (30847, 19)
```

## 1. How many people are totally vaccinated in India in May 2021?

```
In [4]: tot = 0
for i in df.values:
    if i[0] == 'India' and i[-1] == 'May' and i[-4] == 2021:
        tot += int(i[5])
print(tot, 'people are totally vaccinated in India in May 2021')
```

1092948112 people are totally vaccinated in India in May 2021

## 2. How many people are vaccinated in Albania on 2022-01-12?

```
In [5]: tot = 0
for i in df.values:
    if i[0] == 'Albania' and i[2] == '2022-01-12':
        tot += int(i[3])
print(tot, 'people are vaccinated in Albania on 2022-01-12')
```

0 people are vaccinated in Albania on 2022-01-12