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

In [2]:
```
covidData = pd.read_csv("Datasets/covid.csv")
```

In [3]:
```
covidData
```

Out[3]:

	Country/Region	Continent	Population	TotalCases	NewCases	TotalDeaths	NewDeaths	TotalRecovered	NewRecovered	ActiveCases	Serious,Critical	Tot Cases/1M pop	Deaths/1M pop	TotalTests	Tests/1M pop	WHO Region
0	USA	North America	3.311981e+08	5032179	NaN	162804.0	NaN	2576668.0	NaN	2292707.0	18296.0	15194.0	492.0	63139605.0	190640.0	Americas
1	Brazil	South America	2.127107e+08	2917562	NaN	98644.0	NaN	2047660.0	NaN	771258.0	8318.0	13716.0	464.0	13206188.0	62085.0	Americas
2	India	Asia	1.381345e+09	2025409	NaN	41638.0	NaN	1377384.0	NaN	606387.0	8944.0	1466.0	30.0	22149351.0	16035.0	South-EastAsia
3	Russia	Europe	1.459409e+08	871894	NaN	14606.0	NaN	676357.0	NaN	180931.0	2300.0	5974.0	100.0	29716907.0	203623.0	Europe
4	South Africa	Africa	5.938157e+07	538184	NaN	9604.0	NaN	387316.0	NaN	141264.0	539.0	9063.0	162.0	3149807.0	53044.0	Africa
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
204	Montserrat	North America	4.992000e+03	13	NaN	1.0	NaN	10.0	NaN	2.0	NaN	2604.0	200.0	61.0	12220.0	NaN
205	Caribbean Netherlands	North America	2.624700e+04	13	NaN	NaN	NaN	7.0	NaN	6.0	NaN	495.0	NaN	424.0	16154.0	NaN
206	Falkland Islands	South America	3.489000e+03	13	NaN	NaN	NaN	13.0	NaN	0.0	NaN	3726.0	NaN	1816.0	520493.0	NaN
207	Vatican City	Europe	8.010000e+02	12	NaN	NaN	NaN	12.0	NaN	0.0	NaN	14981.0	NaN	NaN	NaN	Europe
208	Western Sahara	Africa	5.986820e+05	10	NaN	1.0	NaN	8.0	NaN	1.0	NaN	17.0	2.0	NaN	NaN	Africa

209 rows × 16 columns

In [5]:
```
covidData['Continent']
```

Out[5]:
```
0      North America
1      South America
2               Asia
3             Europe
4             Africa
           ...
204    North America
205    North America
206    South America
207           Europe
208           Africa
Name: Continent, Length: 209, dtype: object
```

In [6]:
```
covidData['Continent'].unique()
```

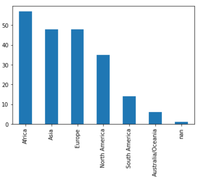
Out[6]:
```
array(['North America', 'South America', 'Asia', 'Europe', 'Africa',
       'Australia/Oceania', nan], dtype=object)
```

In [7]:
```
covidData['Continent'].value_counts()
```

Out[7]:
```
Africa             57
Asia               48
Europe             48
North America      35
South America      14
Australia/Oceania   6
Name: Continent, dtype: int64
```

In [8]:
```
covidData['Continent'].value_counts(dropna=False).plot(kind='bar')
```

Out[8]:
```
<AxesSubplot:>
```



In [9]:
```
covidData['WHO Region']
```

Out[9]:
```
0            Americas
1            Americas
2      South-EastAsia
3              Europe
4              Africa
            ...
204               NaN
205               NaN
206               NaN
207            Europe
208            Africa
Name: WHO Region, Length: 209, dtype: object
```

In [10]:
```
covidData['WHO Region'].unique()
```

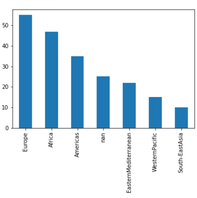
Out[10]:
```
array(['Americas', 'South-EastAsia', 'Europe', 'Africa',
       'EasternMediterranean', 'WesternPacific', nan], dtype=object)
```

In [11]:
```
covidData['WHO Region'].value_counts()
```

Out[11]:
```
Europe                55
Africa                47
Americas              35
EasternMediterranean  22
WesternPacific        15
South-EastAsia        10
Name: WHO Region, dtype: int64
```

In [12]:
```
covidData['WHO Region'].value_counts(dropna=False).plot(kind='bar')
```

Out[12]:
```
<AxesSubplot:>
```



In [13]:
```
covidData.describe()
```

Out[13]:

	Population	TotalCases	NewCases	TotalDeaths	NewDeaths	TotalRecovered	NewRecovered	ActiveCases	Serious,Critical	Tot Cases/1M pop	Deaths/1M pop	TotalTests	Tests/1M pop
count	2.080000e+02	2.090000e+02	4.000000	188.000000	3.000000	2.050000e+02	3.000000	2.050000e+02	122.000000	208.000000	187.000000	1.910000e+02	191.000000
mean	3.041549e+07	9.171850e+04	1980.500000	3792.590426	300.000000	5.887898e+04	1706.000000	2.766433e+04	534.393443	3196.024038	98.681176	1.402405e+06	83959.366492
std	1.047661e+08	4.325867e+05	3129.611424	15487.184877	451.199512	2.566984e+05	2154.779803	1.746327e+05	2047.518613	5191.986457	174.956862	5.553367e+06	152730.591240
min	8.010000e+02	1.000000e+01	20.000000	1.000000	1.000000	7.000000e+00	42.000000	0.000000e+00	1.000000	3.000000	0.080000	6.100000e+01	4.000000
25%	9.663140e+05	7.120000e+02	27.500000	22.000000	40.500000	3.340000e+02	489.000000	8.600000e+01	3.250000	282.000000	6.000000	2.575200e+04	8956.500000
50%	7.041972e+06	4.491000e+03	656.000000	113.000000	80.000000	2.178000e+03	936.000000	8.990000e+02	27.500000	1015.000000	29.000000	1.357020e+05	32585.000000
75%	2.575614e+07	3.689600e+04	2609.000000	786.000000	449.500000	2.055300e+04	2538.000000	7.124000e+03	160.250000	3841.750000	98.000000	7.576960e+05	92154.500000
max	1.381345e+09	5.032179e+06	6590.000000	162804.000000	819.000000	2.576668e+06	4140.000000	2.292707e+06	18296.000000	39922.000000	1238.000000	6.313960e+07	995282.000000

In [14]:
```
covidData.mean()
```

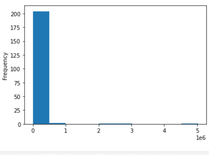
Out[14]:
```
Population          3.041549e+07
TotalCases          9.171850e+04
NewCases            1.980500e+03
TotalDeaths         3.792590e+03
NewDeaths           3.000000e+02
TotalRecovered      5.887898e+04
NewRecovered        1.706000e+03
ActiveCases         2.766433e+04
Serious,Critical    5.343934e+02
Tot Cases/1M pop    3.196024e+03
Deaths/1M pop       9.868118e+01
TotalTests          1.402405e+06
Tests/1M pop        8.395937e+04
dtype: float64
```

In [15]:
```
covidData.std()
```

Out[15]:
```
Population          1.047661e+08
TotalCases          4.325867e+05
NewCases            3.129611e+03
TotalDeaths         1.548718e+04
NewDeaths           4.511995e+02
TotalRecovered      2.566984e+05
NewRecovered        2.154780e+03
ActiveCases         1.746327e+05
Serious,Critical    2.047519e+03
Tot Cases/1M pop    5.191986e+03
Deaths/1M pop       1.749569e+02
TotalTests          5.553367e+06
Tests/1M pop        1.527306e+05
dtype: float64
```

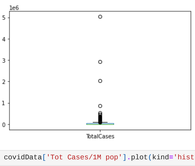
In [28]:
```
covidData['TotalCases'].plot(kind='hist')
```

Out[28]:
```
<AxesSubplot:ylabel='Frequency'>
```



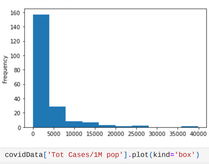
In [29]:
```
covidData['TotalCases'].plot(kind='box')
```

Out[29]:
```
<AxesSubplot:>
```



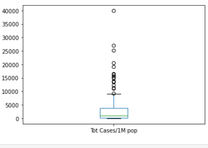
In [30]:
```
covidData['Tot Cases/1M pop'].plot(kind='hist')
```

Out[30]:
```
<AxesSubplot:ylabel='Frequency'>
```



In [31]:
```
covidData['Tot Cases/1M pop'].plot(kind='box')
```

Out[31]:
```
<AxesSubplot:>
```



In [ ]:
```

```