In [15]:
```
print("Name : ")
print("This is a CSV of more than 200 rows which has Covide data.")
print("The task is to find out top 5 the countries who are least affected by
print("Another task is to find out top 5 the countries who has the maximum nu
print("Another task is to find out top 5 the countries who has the maximum nu
```

```
Name :
This is a CSV of more than 200 rows which has Covide data.
The task is to find out top 5 the countries who are least affected by covid
Another task is to find out top 5 the countries who has the maximum number o
f deaths
Another task is to find out top 5 the countries who has the maximum number o
f active cases
```

In [16]:
```
#Covide Data
import  numpy as np
import pandas as pd
from matplotlib import pyplot as plt


dataframe = pd.read_csv('covid19.csv')
df = dataframe.dropna()
df
```

Out[16]:

	country	total_cases	new_cases	total_deaths	new_deaths	total_recovered	active_cases	a
0	USA	1621196	294	96359	5.0	382244	1142593	
1	Russia	326448	8894	3249	150.0	99825	223374	
2	Brazil	310921	0	20082	0.0	125960	164879	
3	Spain	280117	0	27940	0.0	196958	55219	
4	UK	250908	0	36042	0.0	1918	212948	
...	...	...	...	...	...	...	...	
208	St. Barth	6	0	0	0.0	6	0	
209	Western Sahara	6	0	0	0.0	6	0	
210	Anguilla	3	0	0	0.0	3	0	
211	Lesotho	1	0	0	0.0	0	1	
212	Saint Pierre Miquelon	1	0	0	0.0	1	0	

213 rows × 10 columns

In [17]:
```
#Task 1
#Sort the data as per total number of cases

sorted_df = df.sort_values(by=['total_cases'])
sorted_df
```

Out[17]:

	country	total_cases	new_cases	total_deaths	new_deaths	total_recovered	active_cases
212	Saint Pierre Miquelon	1	0	0	0.0	1	0
211	Lesotho	1	0	0	0.0	0	1
210	Anguilla	3	0	0	0.0	3	0
207	Caribbean Netherlands	6	0	0	0.0	6	0
209	Western Sahara	6	0	0	0.0	6	0
...	...	...	...	...	...	...	...
4	UK	250908	0	36042	0.0	1918	212948
3	Spain	280117	0	27940	0.0	196958	55219
2	Brazil	310921	0	20082	0.0	125960	164879
1	Russia	326448	8894	3249	150.0	99825	223374
0	USA	1621196	294	96359	5.0	382244	1142593

213 rows × 10 columns

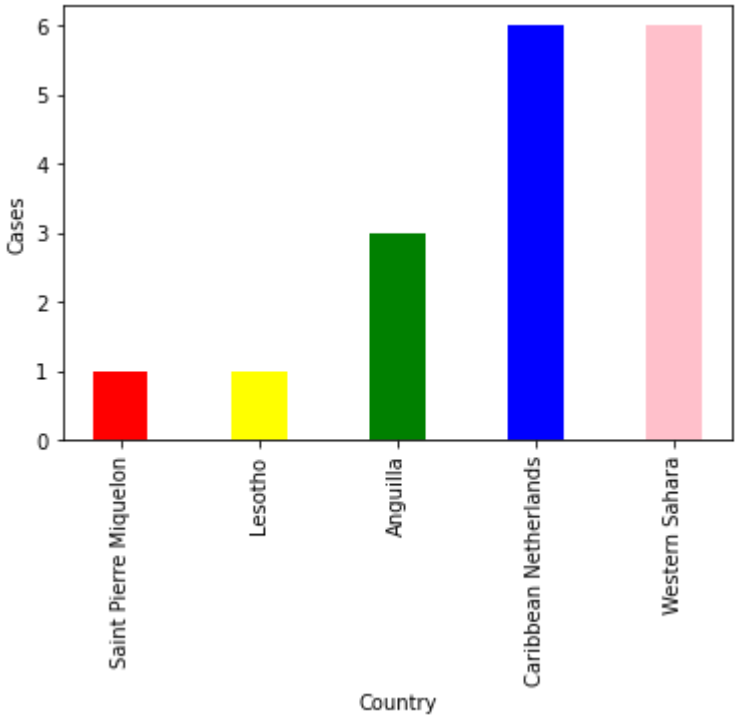
In [19]:
```
#Task 2
#Get top 5 countries who has the least number of cases and plot a bar graph
least_cases = sorted_df['total_cases'].head(5)
least_cases_country = sorted_df['country'].head(5)
print(least_cases)
print(least_cases_country)
plt.xlabel("Country")
plt.ylabel("Cases")
plt.xticks(rotation='vertical')
label = least_cases_country
value = least_cases

print(label)
print(value)

plt.bar(label,value,width=0.4, color=('red','yellow','green','blue','pink'))
```

```
212    1
211    1
210    3
207    6
209    6
Name: total_cases, dtype: int64
212    Saint Pierre Miquelon
211                  Lesotho
210                 Anguilla
207    Caribbean Netherlands
209           Western Sahara
Name: country, dtype: object
212    Saint Pierre Miquelon
211                  Lesotho
210                 Anguilla
207    Caribbean Netherlands
209           Western Sahara
Name: country, dtype: object
212    1
211    1
210    3
207    6
209    6
Name: total_cases, dtype: int64
```

Out[19]:
```
<BarContainer object of 5 artists>
```



In [3]:
```
#Task 3
#Sort the data as per total number of deaths
```

In [4]:
```
#Task 4
#Get top 5 countries who has the maximum number of deaths and plot a bar grap
```

In [5]:
```
#Task 5
#Sort the data as per active cases
```

In [6]:
```
#Task 6
#Get top 5 countries who has the maximum number of active cases and plot a ba
```

In [ ]:

In [ ]: