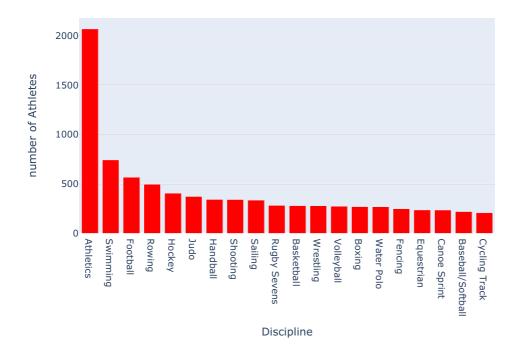
```
In [1]:
          import numpy as np
          import pandas as pd
          import matplotlib.pyplot as plt
          import seaborn as sns
          import plotly.express as px
In [2]:
          df=pd.read_excel("Athletes.xlsx")
In [3]:
          df.head()
                                NOC
                                             Discipline
Out[3]:
                        Name
              AALERUD Katrine
                              Norway
                                          Cycling Road
                  ABAD Nestor
                                Spain Artistic Gymnastics
         2 ABAGNALE Giovanni
                                 Italy
                                               Rowing
                ABALDE Alberto
                                Spain
                                             Basketball
               ABALDE Tamara
                                             Basketball
                                Spain
```

## 

## The highest participation Disciplines

Netherlands



274

```
In [8]:
         series=df['NOC'].value_counts().sort_values(ascending=False).nlargest(20)
         series
Out[8]: United States of America
                                        615
         Japan
                                        586
                                        470
         Australia
        People's Republic of China
                                        401
         Germany
                                        400
                                        377
        France
        Canada
                                        368
                                        366
        Great Britain
        Italy
                                        356
        Spain
                                        324
        R0C
                                        318
                                        291
        Brazil
```

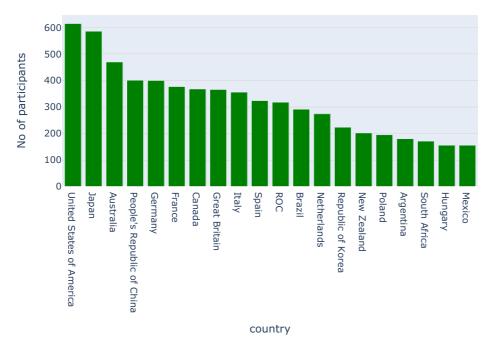
```
Republic of Korea 223
New Zealand 202
Poland 195
Argentina 180
South Africa 171
Hungary 155
Mexico 155
```

Name: NOC, dtype: int64

In [11]: px.bar(x=series.index,y=series.values,title='Highest participating countries',labels={"x":"country","y":"No of participating countries',labels={"x":"country","y":"country",labels={"x":"country","y":"country",labels={"x":"country","y":"country",labels={"x":"country","y":"country",labels={"x":"country","y":"country",labels={"x":"country","y":"country",labels={"x":"country","y":"country",labels={"x":"country","y":"country",labels={"x":"country","y":"country",labels={"x":"country","y":"country","y":"country",labels={"x":"country","y":"co



## Highest participating countries



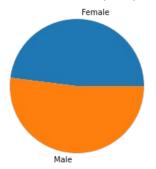
```
In [12]: df1=pd.read_excel('EntriesGender.xlsx')
```

In [13]: dfl.head()

Out[13]:		Discipline	Female	Male	Total
	0	3x3 Basketball	32	32	64
	1	Archery	64	64	128
	2	Artistic Gymnastics	98	98	196
	3	Artistic Swimming	105	0	105
	4	Athletics	969	1072	2041

[5432, 5884]
Out[47]: Text(0.5, 1.0, 'no of male and female participants')

no or maie and remaie participants



```
In [88]:
```

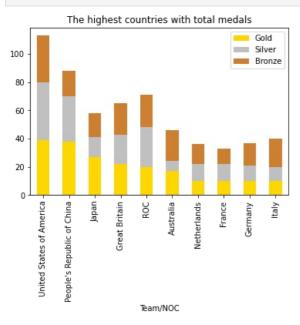
```
df2=pd.read_excel("Medals.xlsx")
```

 $\verb| C: Users \land an a conda \land b site-packages \land penpyx \land styles \land styles \land etc. py: 221: User \verb| Warning: packages \land penpyx \land styles \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Warning: packages \land penpyx \land etc. py: 221: User \verb| Wa$ 

Workbook contains no default style, apply openpyxl's default

```
In [100...
```

```
In [74]:
    df3=df2.head(10)
    cols=df3.drop(['Rank','Total','Rank by Total'],axis=1)
    cols.plot(x='Team/NOC',kind='bar',stacked=True,color=["#FFD700","#C0C0C0","#CD7F32"],title="The highest countries")
```



In [ ]: