World population visualization

In this task our job is to visualize the countries of the world in a map format where the colour depends on the amount of population in that country.

In [21]:
```
#getting the packages
import plotly.express as px
import matplotlib.pyplot as plt
import pandas as pd
```

In [10]:
```
#getting the main dataset
worldpop=pd.read_csv("C:\\Users\\sujoydutta\\Downloads\\world_population.csv")
worldpop
```

Out[10]:

	Country	Continent	2022 Population
0	Afghanistan	Asia	41128771
1	Albania	Europe	2842321
2	Algeria	Africa	44903225
3	American Samoa	Oceania	44273
4	Andorra	Europe	79824
...	...	...	...
229	Wallis and Futuna	Oceania	11572
230	Western Sahara	Africa	575986
231	Yemen	Asia	33696614
232	Zambia	Africa	20017675
233	Zimbabwe	Africa	16320537

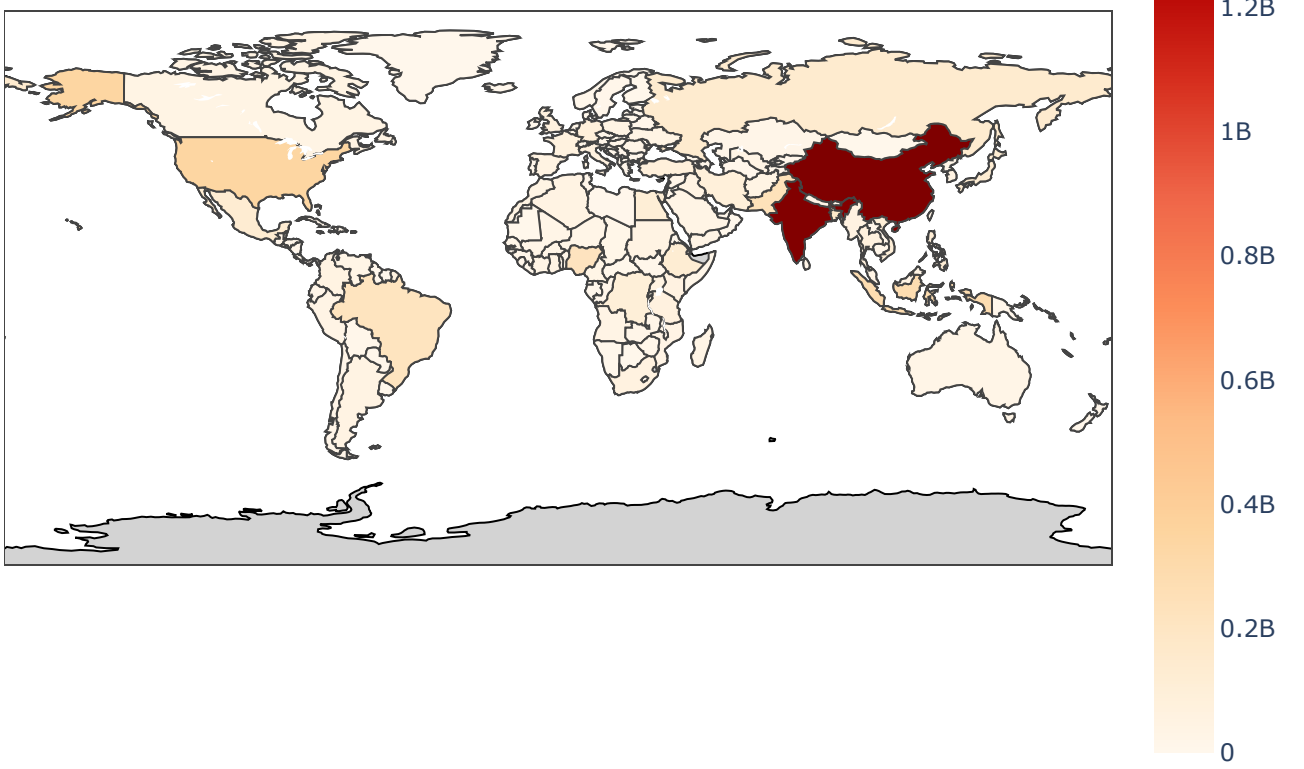
234 rows × 3 columns

In [25]:
```
# Creating a choropleth map using Plotly

fig = px.choropleth(worldpop,
                    locations="Country",
                    locationmode="country names",
                    color="2022 Population",
                    color_continuous_scale="OrRd",
                    title="World Population by Country (2022)",
                    labels={'2022 Population': 'Population'},
                    hover_name="Country")
```

In [26]:
```
# Showing the plot
fig.update_geos(showcoastlines=True, coastlinecolor="Black", showland=True, landcolor="l
fig.update_layout(margin={"r":0,"t":40,"l":0,"b":0})


fig.show()
```


Population
1.4B
1.2B
1B
0.8B
0.6B
0.4B
0.2B
0