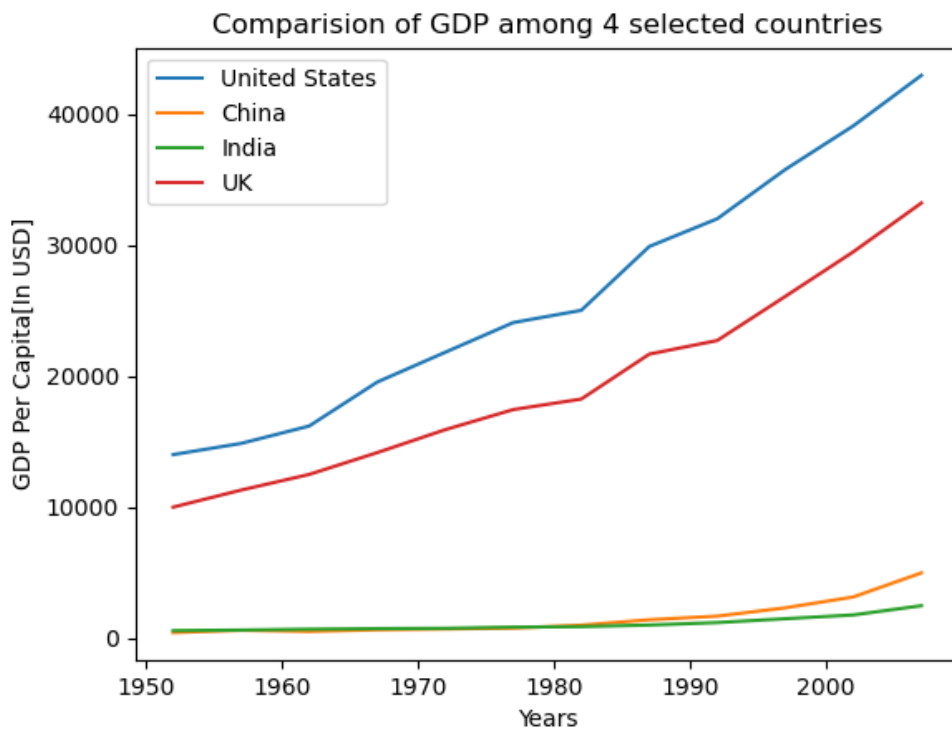


ASSINGMENT -1 VISUALISATION

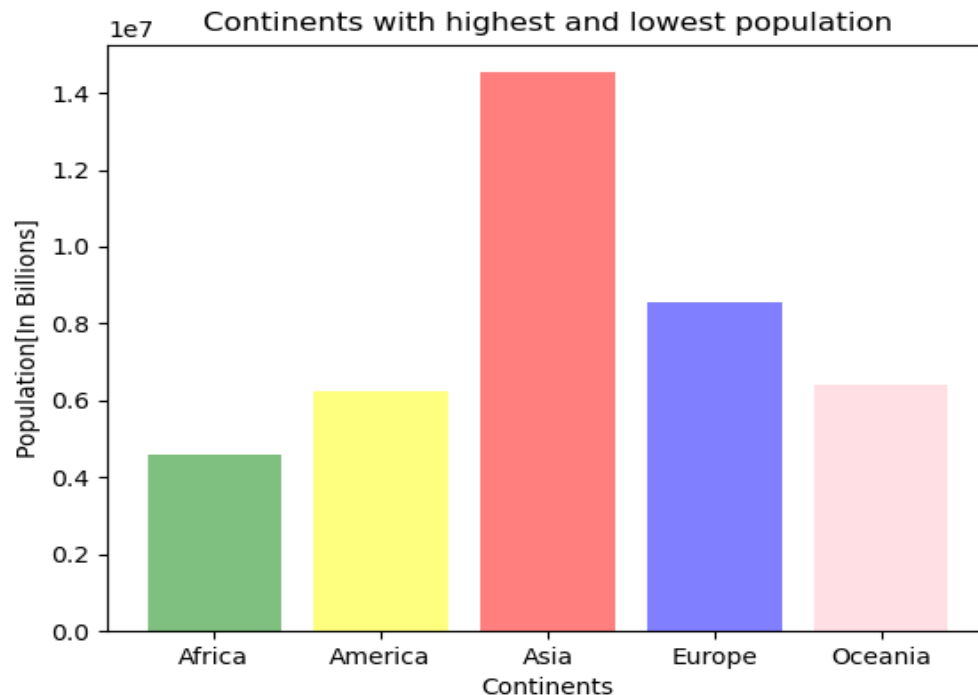
Visualisation-1: Comparison of GDP among US, China, India, UK



Explanation: From the above image, the line plots are effective way to visualise the data over the time period. They are easy to understand and can be used for multiple plots

Over decades, US has the highest GDP while compared with the other countries. There was a slight drop between the years (1980-1990). Second ranking country is UK. Though the initial start of US was slightly higher than the UK the difference gradually increased after the years. Countries like China and India start from the base, could not reach up to the extent as US or UK. It is quite sad as the population of the countries like US and UK are dominated by the countries like China and India still these two countries lack in the GDP.

Visualisation-2 : Continents with Highest and Lowest Population

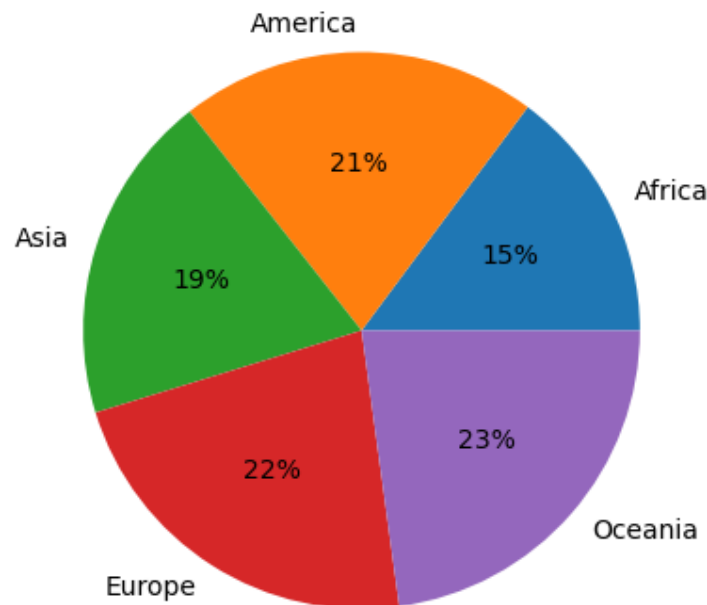


Explanation: From the above image the Bar plot effectively represents the comparison of categorical values. The X-axis represents the discrete values while the Y-axis represents the numeric values of comparison.

In terms of population Asia holds the highest rank. Following with Europe as the highest. Among the five continents the population is measured in terms of billions. Each continent comprises many countries. America and Oceania have the same number of populations. Africa continent holds the lowest population while compared with the other continents.

Visualisation-3: Life Expectancy among different Continents

Life Expectancy among different continents



Explanation: Pie chart is a circular statistical graphic divided into slices to illustrate numerical proportions. They are the effective way to represent the proportional data.

Oceania rank the highest in the life expectancy among other continents, though the population of the Continents like Asia and Europe are higher than the Oceania their life Expectancy is slightly differed by 1 or 2 %. Africa has the least Life Expectancy rate among all other continents.