**Practice Project Solution**

Problem Statement: Evaluate the dataset containing the GDPs of different countries to:

1. Find and print the name of the country with the highest GDP
2. Find and print the name of the country with the lowest GDP
3. Print out text and input values iteratively
4. Print out the entire list of the countries with their GDPs
5. Print the highest GDP value, lowest GDP value, mean GDP value, GDP value, and the sum of all the GDPs

**Solutions** (explanation)

1) The countries and gdp are made into seperate arrays. We can use the argmax() function in numpy to find the index of maximum value in an array, this index can inturn be used in the countries array to display the name of the country with maximum gdp.

2) The countries and gdp are made into seperate arrays. We can use the argmin() function in numpy to find the index of minimum value in an array, this index can inturn be used in the countries array to display the name of the country with minimum gdp.

3) Length of countries array = length of gdp array. Loop from 0 to length(countries) and on iteration print the necessary informations.

4) Length of countries array = length of gdp array. Loop from 0 to length(countries) and on iteration print "countries[i] , gdp[i]".

5) Index of highest gpd value can be found using argmax(),Index of lowest value of gdp can be found by argmin(), numpy also provides arithmetic functions like sum() , mean() and std() which takes an array as operand and returns a value