**Pandas\_Assignment\_3 Question**

Download google sheet as Excel file and read excel file in pandas.

Point to be noted: Contains multiple sheets.

**Exercise 1: Shijal, Akshey, Saurav, Pallavi, Baburam**

Dataset:

countries.csv

(<https://drive.google.com/file/d/1JTukCAFLAPyTaYGOGs4m5_nhT3mTdJWp/view?usp=sharing>)

Covid-countries-data.csv

(<https://drive.google.com/file/d/1RI9exufHCyp71oFU4BoWLxo9PeLGEUj1/view?usp=sharing> )

Tasks:

1. How many countries does the dataframe contain?
2. Retrieve a list of continents from the dataframe?
3. What is the total population of all the countries listed in this dataset?
4. What is the overall life expectancy across the world?
5. Create a dataframe containing 10 countries with the highest population.
6. Add a new column in countries\_df to record the overall GDP per country (product of population & per capita GDP).
7. Create a dataframe containing 10 countries with the lowest GDP per capita, among the counties with population greater than 100 million.
8. Create a data frame that counts the number of countries in each continent?
9. Create a data frame showing the total population of each continent.
10. Count the number of countries for which the total\_tests data is missing.
11. Merge countries\_df with covid\_data\_df on the location column as combined\_df.
12. Add columns tests\_per\_million, cases\_per\_million and deaths\_per\_million into combined\_df.
13. Create a dataframe with 10 countries that have the highest number of tests per million people.
14. Create a dataframe with 10 countries that have the highest number of positive cases per million people.
15. Create a dataframe with 10 countries that have the highest number of deaths cases per million people?