Assignment 1:

Evaluate the dataset of the Summer Olympics, London 2012 to:

* Find and print the name of the country that won maximum gold medals,
* Find and print the countries who won more than 20 gold medals,
* Print the medal tally,
* Print each country name with the corresponding number of gold medals, and
* Print each country name with the total number of medals won.

Assignment 2:

You have been provided with a dataset that lists Ohio State’s leading causes of death from the year 2012.

Using the two data points:

* Cause of deaths and
* Percentile

Draw a pie chart to visualize the dataset.

Assignment 3:

Analyze the Federal Aviation Authority (FAA) dataset using Pandas to do the following:

1. View

a. aircraft make name

b. state name

c. aircraft model name

d. text information

e. flight phase

f. event description type

g. fatal flag

2. Clean the dataset and replace the fatal flag NaN with “No”

3. Find the aircraft types and their occurrences in the dataset

4. Remove all the observations where aircraft names are not available

5. Display the observations where fatal flag is “Yes”

Assignment 4:

A dataset in CSV format is given for the Fire Department of New York City. Analyze the dataset to determine:

1. The total number of fire department facilities in New York city

2. The number of fire department facilities in each borough

3. The facility names in Manhattan