**ASSIGNMENT – 1 – CO2 – Medium**

**Data.csv**

1. Read only time, geo and value columns
2. Consider “:” as missing
3. Fill the missing data appropriately
4. Select all rows where Value is greater than 5 and year is 2011
5. Display max value of all columns
6. Create a new column val\_sq with square of the value column in it
7. Delete newly added column
8. Add a new value 2000,  5.00, 'a' to the end of Dataframe
9. Sort the dataframe in the descending order of values
10. show the mean of the values for each country over all the years
11. Change DataFrame to country names as the index, while the columns will be the years starting from 2006 and the values will be the previous 'Value' column.
12. Read the following file <https://ec.europa.eu/eurostat/estat-navtree-portlet-prod/BulkDownloadListing?file=data/tps00053.tsv.gz> contains employment rates yearwise
13. Unzip in the jupyter notebook itself and read the tsv file inside
14. From the year columns delete the alphabets from the values and make it float
15. Genderwise employement rate for year 2016
16. Which year the employment rate is higher for female
17. Rename the column **geo\time to geotime**
18. Sum of unemployment rate for male for EU27\_2020 in year 2010
19. Convert the dataframe with the following columns geotime, year, unemployment rate