**Practical 7: pandas, matplotlib and seaborn. Basic analysis of Automobile dataset (Automobile\_data.csv)**

**BATCH 2**

From the given Automobile data set

1. Load the Automobiledata from a given csv file into a dataframe and print the shape of the data, type of the data and first and last 4 rows (**Automobile\_data.csv**)
2. Replace the abnormal symbols i.e. ?? , ## to null value i.e. NaN
3. Describe the dataset, and find number of observations, missing values and nan values.
4. View basic statistical details like percentile, mean, std deviation, mode, variance, skewness and kutosis of **Automobile** data
5. Find the most expensive car company name
6. Print all Toyata cars available
7. Find each company’s highest price car
8. Find the average mileage of each car making company
9. Sort all cars by price column
10. Create the horrizontal barplot for Automobiledataset
11. Create a pair plot.
12. Print correlation matrix for this Automobiledataset and show heatmap.