

## Python & Data Analytics Assessment 1

1. Prepare the sample csv file for car model and their specification, the column names would be
  - a. Company Name
  - b. Model Name
  - c. Fuel Type (For e.g. Petrol, Gas, Diesel, EV)
  - d. Body Style (for e.g. Hatchback, Sedan, SUV)
  - e. Car Length
2. Prepare the sample excel file for the car prizing and loan amount, the column names would be
  - a. Company Name
  - b. Model Name
  - c. On road pricing
  - d. Loan amount
  - e. Monthly EMI
  - f. Interest Rate
  - g. Monthly Principal
  - h. Monthly Interest
3. Write the code to read the csv file and the excel file and convert them into the Data frame.
4. Merge the two Data frame on the basis of primary key
5. Fill the "NA" values in the merged data frame
6. Iterate over the merged Data frame and add the GST value in the "On road pricing" column

## Reference

1. [Getting started — pandas 2.0.0 documentation \(pydata.org\)](https://pandas.pydata.org/pandas-docs/stable/10min.html)
2. [pandas.DataFrame — pandas 2.0.0 documentation \(pydata.org\)](https://pandas.pydata.org/pandas-docs/stable/10min.html#pandas.DataFrame)
3. [General functions — pandas 2.0.0 documentation \(pydata.org\)](https://pandas.pydata.org/pandas-docs/stable/10min.html#pandas.DataFrame)