



Module 6: Data Visualization Case Study 2

Problem Statement:

You work in XYZ Company as a Python developer. The company officials want you to build a Python program.

Tasks To Be Performed:

1. Load cars data as dataframe using pandas and create a bar plot between number of cylinders and frequency of cars with that many number of cylinders
 - Set xlabel as Number of cylinders
 - Set ylabel as Frequency of cars
 - Draw a bar plot
2. Write code to load data from cars and print a bar graph of count of columns with null values.
3. Use the 'mpg' (Miles Per Gallon column) and draw a histogram:
 - Set xlabel: Miles per gallon
 - Set ylabel: Frequency
 - Set title as Miles Per Gallon Histogram
 - Use mpg column to generate a histogram
4. Draw a boxplot on the card dataframes hp column:
 - Set xlabel: Car Horsepower
 - Set title as Boxplot for car horsepower
 - Use hp column to generate a boxplot