

## Data Visualization with Matplotlib Assignment

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### Problem Statement:

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

[Dataset Link](#)

### 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
    - i. Set xlabel: Miles per gallon
    - ii. Set ylabel: Frequency
    - iii. Set title as Miles Per Gallon Histogram
    - iv. Use mpg column to generate a histogram
  4. Draw a boxplot on the card dataframes hp column
    - i. Set xlabel: Car Horsepower
    - ii. Set title as Boxplot for car horsepower
    - iii. Use hp column to generate a boxplot
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