1. Reading the data into the program:

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1. Write a function to calculate the mean of the column and use the mean to fill in the missing values:

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* Before calculating the mean of the columns, I first tried to replace the symbol “?” with nan so that it becomes easy to use the isnull() function on our dataset and here’s the count of null values after doing the mentioned operation:

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* So, after calculating the mean of each column and replacing the null values with the mean, I got the following output when I printed the dataset:

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* Overall null values count after the above seen dataset:

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1. Write a program to calculate the frequency on column “make”.

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1. Using bin smoothing technique and partitioning the horsepower column into 3 bins (‘M’, ‘H’, ‘L’).

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