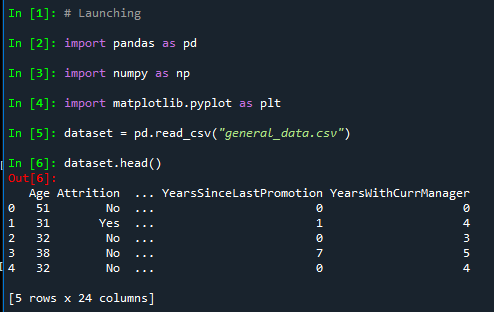
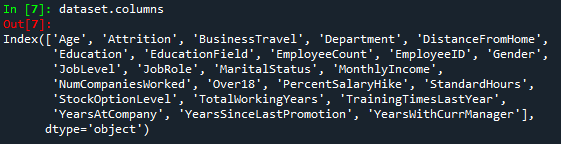
**Attrition Assignment**

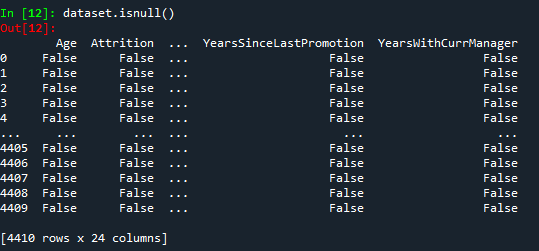
**Step1 – Launching**



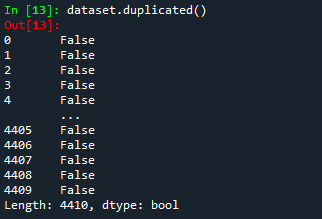


**Step 2 - Data Treatment:**

#Checking null values in the table

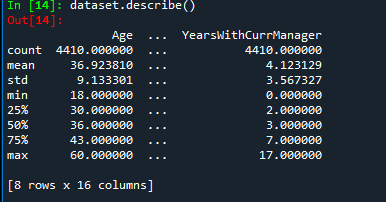


#Checking if duplicated values in the dataset

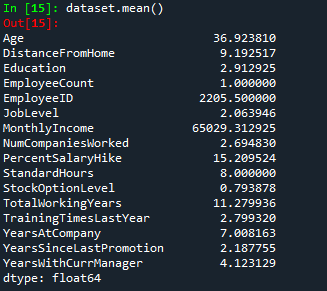


**Step 3 – Univariate Analysis:**

# To describe the dataset



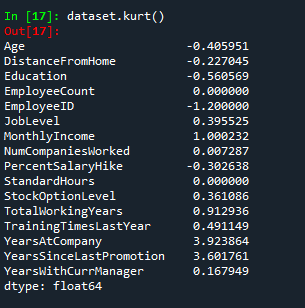
# To find mean for each column



# To find skewness for each column values



# To find kurtosis for each column values



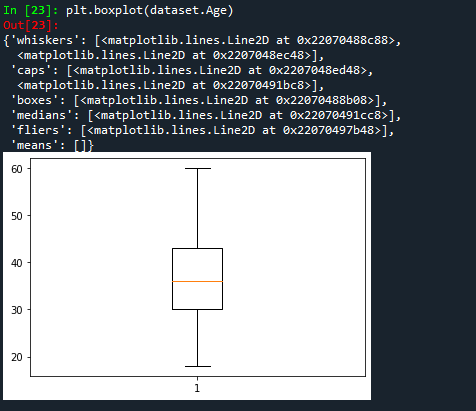
**Inference from the analysis:**

1. All the above variables show positive skewness; while Age & Mean\_distance\_from\_home are leptokurtic and all other variables are platykurtic.
2. The Mean\_Monthly\_Income’s IQR is at 54K suggesting company wide attrition across all income bands
3. Mean age forms a near normal distribution with 13 years of IQR

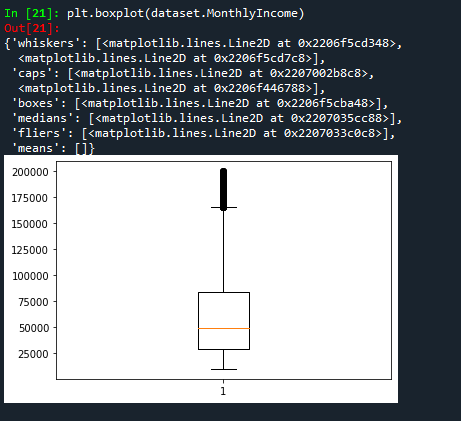
**Outliners:**

There’s no regression found while plotting Age, MonthlyIncome, TotalWorkingYears , YearsAtCompany, etc., on a scatter plot.

**plt.boxplot(dataset.Age)**

****

**plt.boxplot(dataset.MonthlyIncome)**

****

**Years at company is also Right Skewed with several outliers observed.**