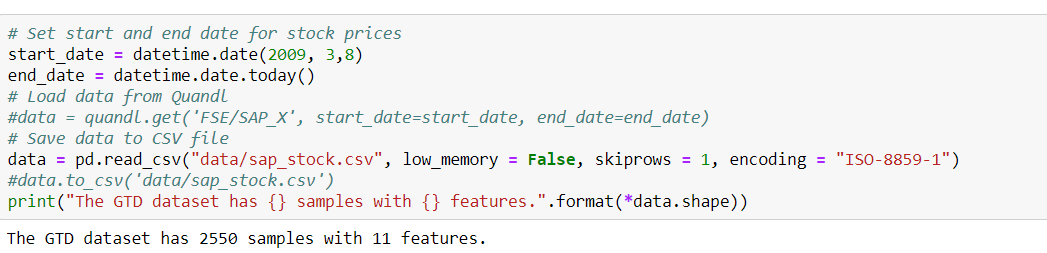
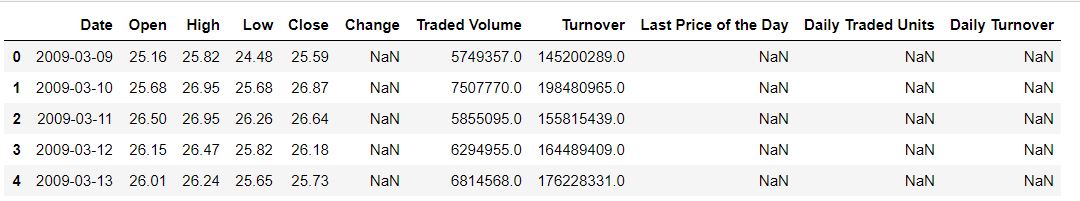
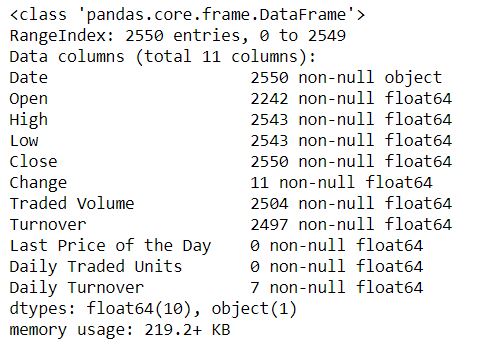
**Store the data set and see the number of samples with features.**



**Display the dataset 1st 5 rows.**



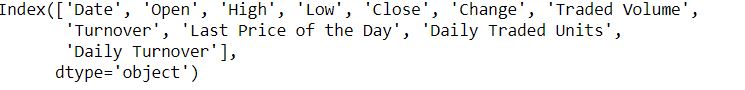
**Information features in a dataset**



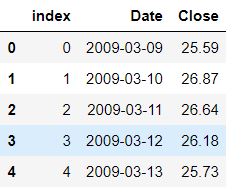
**Descriptive statistics summary of data set:**



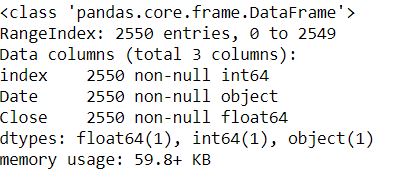
**Display features in data set:**



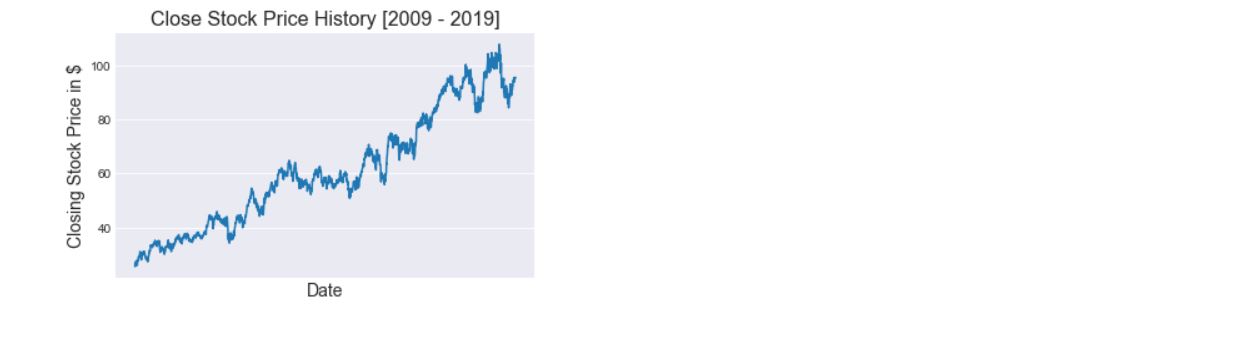
**Reset index column so that we have integers to represent time for later analysis:**



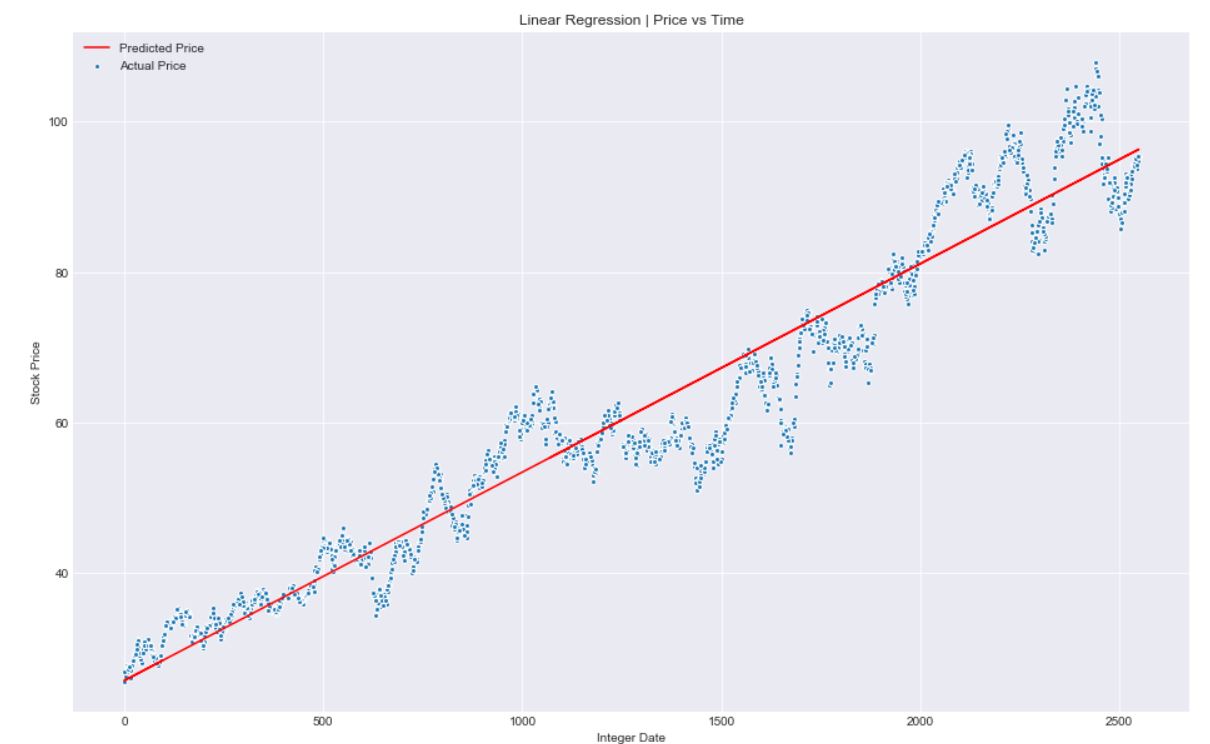
**Check data types in columns:**



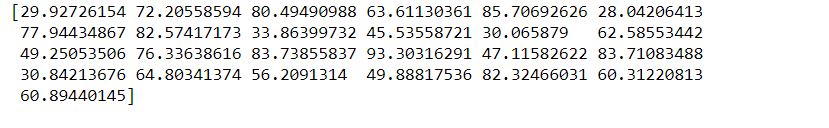
**Create subplots to plot graph and control axes:**



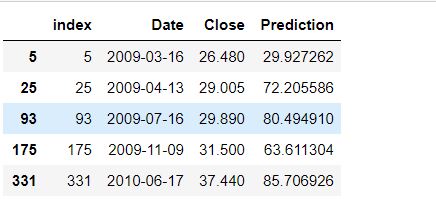
**Linear Regression: Using linear regression plot the data:**



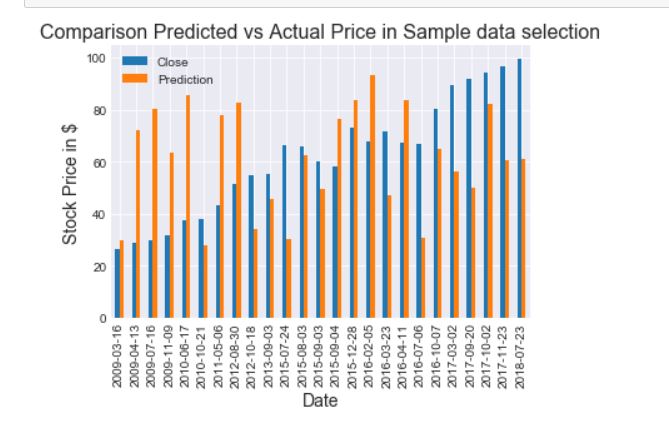
**Generate array with predicted values:**



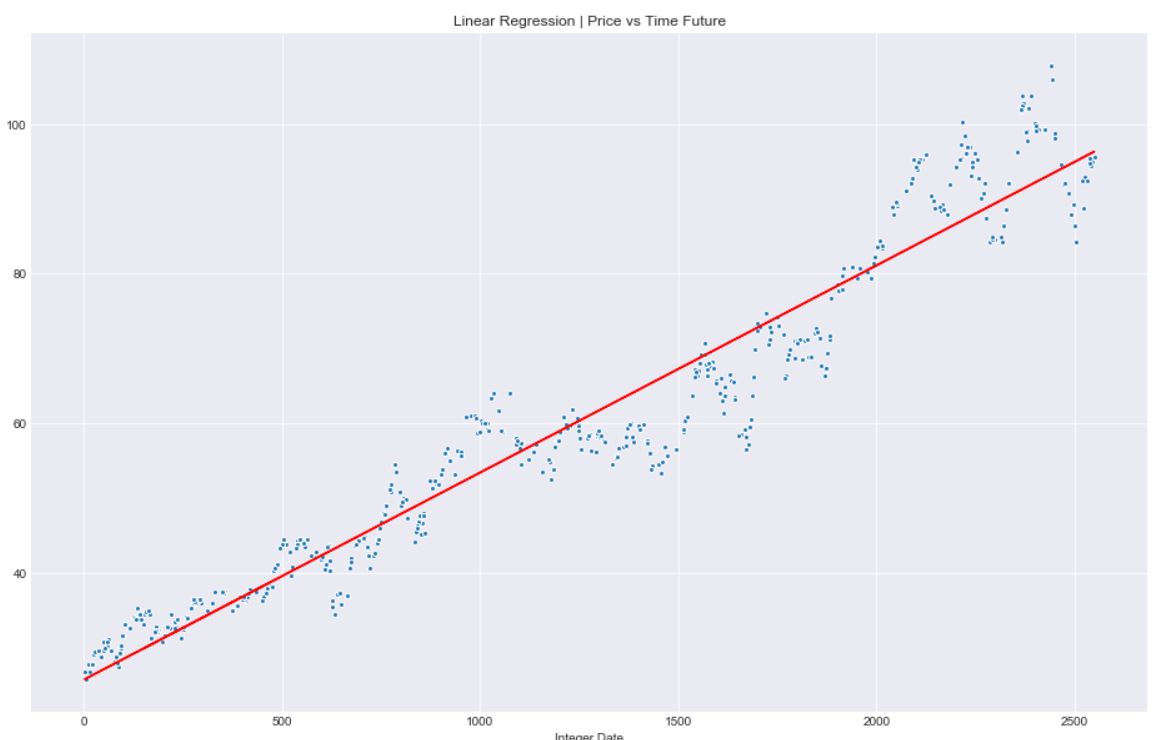
**Display the details:**



**Comparison Predicted vs Actual Price in Sample data selection:**



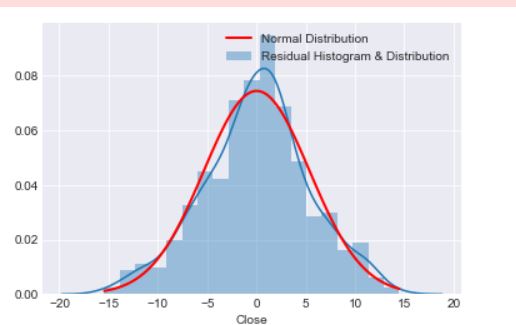
**Price vs. Time Future:**



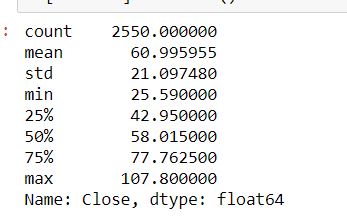
**Predicted Actual Price in future:**



**Residual Histogram & Distribution:**



**Add new column for predictions to df:**



**The value of R2 shows that are model accounts for nearly 94% of the differences between the actual stock prices and the predicted prices:**

