

### 8.4 Exercise do it yourself:

*Download Source Data Set from GitHub link* : <https://github.com/Smartbrain2024/Mastering_AI_2.git>

**Chapters/Chp\_08/8.4/DIY\_Exercise/stock\_data (1).csv**

##### Introduction

This notebook is fetching daily stock market data of Reliance from finance API and its daily news articles from media stack API and creating a derived dataset which contains news sentiment. This notebook will be scheduled to be run daily using scheduled notebook run.

##### About Dataset

Input - Input data will be the dataset we created from this notebook output by keeping data coordinated with new notebook versions which can be find in metadata section of a dataset that was created directly from a Kaggle Notebook Output Files.

Output - Notebook will fetch today's stock market data , news articles and its sentiment( positive , negative, or neutral) , append all this data with input data and output it to the dataset.

Notebook will generate 3 files -

reliance\_stock\_history.csv

reliance\_news.json

reliance\_news\_sentiment.csv

reliance\_stock\_history.csv

Date - Trading date.

Open - Open price of day

High - Highest price of day

Low - Lowest price of day

Close - Closing price of day.

Volume - Amount of asset/security

Dividends - Distribution of stock

Stock splits - Shares of stock to its current shareholders.