Assignment – 2

(Based on Data Collection using API)

Alpha Vantage is a widely used tool for accessing and analyzing financial market data. The Alpha Vantage Application Programming Interface (API) is a developer-friendly, easy-to-use interface to access global stock data. The API allows you to access live and historical stock data for various national and international assets.

Using the following link, get the API key for the Alpha Vantage:

https://www.alphavantage.co/support/#api-key

Based on TimeSeries API:

1. Find the symbol (company codes) for the following companies using symbol search method of the API:

a. Apple

b. Videocon

c. Intel Corporation, USA

2. Find the intraday data of Apple Corporation, United States after an interval of 15 mins in full format (all the records available in the database).

3. Find the daily data of 100 entries of Videocon India

Based on Alpha Intelligence API:

4. Find the title, summary, authors, overall_sentiment_score, and overall_sentiment_label of sentiment news for IBM on technology topic

5. Find the top 20 gainers, losers, and the most active traded tickers in the US market.

Based on Fundamental Data

6. Find the annual and quarterly income statements for the company

Based on Forex Rate

7. Find the real time exchange rate for USD to INR of digital currency