# Python Exercise

1. Develop a GraphQL or REST api backed by a PostgreSQL instance to expose the following data:
   Note: The source of the data served by the api should always be PostgreSQL.
   a. Daily price info (open, high, low, close, volume)
      i. Return a timeseries with the price info of the company associated with a *ticker* for the specified *start_date* and *end_date* dates
   b. Company info (sector, address, symbol/ticker, short name)
   c. Recommendations
      i. Return a timeseries with average daily sentiment for the company associated with a *ticker* for the specified *start_date* and *end_date* dates
         Note: that the yfinance library returns multiple recommendations for each day.
      ii. Use the following conversion from recommendation to a scalar value:

| Recommendation | Scalar |
|---|---|
| Buy | 1 |
| Neutral | 0 |
| Strong Buy | 1.5 |
| Sell | -1 |
| Strong Sell | -1.5 |
| Positive | 1 |
| Negative | -1 |
| *Everything else* | 0 |

2. Use the yfinance library to fetch stock data **daily** and store it in PostgreSQL.
   Stock list (tickers):
   - FB
   - AAPL
   - NFLX
   - GOOG

- Please implement using **best practices** and write your code as if it was going to be deployed in a **production environment**.
- Please include requirements and instructions on how to run the code.