RCM Engineering Interview

Part 1: Programming

Write a Python script to accomplish the following tasks. The program should run correctly.

- Use https://finnhub.io/ free stock price API to query stock prices for specific tech stocks. Please do not use their python package, use the `requests` package in Python.

- Get the latest price for Apple, Amazon, Netflix, Facebook, Google.

- Between Apple, Amazon, Netflix, Facebook, Google : find the stock that moved the most percentage points from yesterday. Call this stock `most_volatile_stock`

- Save the following information for the `most_volatile_stock` to a CSV file with the following rows. Please also include the header in the CSV file:

Example:

```
stock_symbol,percentage_change,current_price,last_close_price
AAPL, 13.2, 120.5, 150
```

Part 2: SQL

- https://www.w3schools.com/sql/trysql.asp?filename=trysql_select_all
- Find all customers in Berlin
- Find all customers in Mexico City
- Find avg price of all products
- Find number of products that Have price = 18

- Find orders between 1996-08-01 and 1996-09-06

- Find customers with more than 3 orders

- Find all customers that are from the same city