**Project: Analyzing Historical Stock Prices**

In this project, you will write a Python program that reads historical stock prices from an excel file, computes some basic statistics and visualizations, and saves the results to a new CSV file. You will conduct this analysis on data for Apple and Amazon.

You should have the following dependencies installed:

* pip install pandas
* pip install matplotlib
* pip install openpyxl

The CSV file contains historical prices for several stocks, with columns for the date, ticker symbol, open price, high price, low price, close price, and volume. Your program will compute the following statistics for each stock:

1. Mean open price, high price, low price, and close price
2. Standard deviation of open price, high price, low price, and close price
3. Correlation between open price and close price
4. Correlation between high price and low price
5. Your program will also create the following visualizations for each stock:
6. Line plot of the closing prices over time
7. Scatter plot of the open price versus the close price
8. Finally, your program will save the computed statistics and visualizations to a new CSV file.

Here are the steps for completing the project:

Import the data from the stocks.csv file

Write a function called read\_stock\_prices that takes a file path as input and returns a pandas DataFrame containing the stock price data.

Write a function called compute\_statistics that takes a DataFrame of stock prices as input and returns a DataFrame containing the computed statistics for each stock.

Write a function called create\_visualizations that takes a DataFrame of stock prices as input and creates the line plot and scatter plot for each stock.

Write a main program that reads the stock prices, computes the statistics, and creates the visualizations.