**Gathering Insights**

**1. Daily Price Change**

This command calculates the daily price change for each stock by subtracting the **Open** price from the **Close** price. This provides a direct measure of a stock's performance on any given day.

SELECT Ticker, Date, (Close - Open) AS DailyPriceChange FROM stocks;

**2. Average Daily Trading Volume by Ticker**

This command computes the average trading volume for each stock ticker. A high average volume often indicates strong market interest and liquidity.

SELECT Ticker, AVG(Volume) AS AverageVolume FROM stocks GROUP BY Ticker ORDER BY AverageVolume DESC;

**3. Highest Closing Price for Each Ticker**

This command identifies the highest recorded closing price for each stock. This is useful for analyzing a stock's historical peak performance.

SELECT Ticker, MAX(Close) AS HighestClosePrice FROM stocks GROUP BY Ticker ORDER BY HighestClosePrice DESC;

**4. Ticker with the Largest Single-Day Price Range**

This command finds the stock that had the largest difference between its **High** and **Low** price on a single day, which can be an indicator of significant volatility.

SELECT Ticker, Date, (High - Low) AS DailyRange FROM stocks ORDER BY DailyRange DESC LIMIT 1;

**5. Monthly Average Closing Price**

This command calculates the average closing price for each stock on a monthly basis. This is a valuable insight for tracking long-term trends and identifying overall market performance.

SELECT strftime('%Y-%m', Date) AS Month, Ticker, AVG(Close) AS AverageClosePrice FROM stocks GROUP BY Month, Ticker ORDER BY Month, AverageClosePrice DESC;