4. Which stocks and sectors have shown the highest returns over the past year?

-- Query to retrieve the top 10 stocks and sectors that have shown the highest returns over the past year

SELECT

    Sector,

    Company,

    CONCAT(FORMAT((Close - Open) / Open \* 100, 2), '%') AS Yearly\_Return

FROM

    sp500\_prices.sp500\_prices

WHERE

    Year = 2022

ORDER BY

    Yearly\_Return DESC

LIMIT 10;

This SQL query retrieves the top 10 stocks and sectors that have demonstrated the highest returns over the previous year, utilizing the sp500\_prices table.

To calculate the yearly return, the query subtracts the opening price from the closing price, divides it by the opening price, and multiplies it by 100 to derive a percentage. The CONCAT function formats the Yearly\_Return column to include a percentage sign.

The results are ordered in descending order based on the Yearly\_Return column and are limited to the top 10 stocks and sectors. This concise and efficient query provides a useful tool for investors seeking to identify the top-performing stocks and sectors in the past year.

Which stocks and sectors have shown the lowest returns over the past year?

-- Show the 10 stocks and sectors with the lowest yearly returns in 2022

SELECT

    Sector,

    Company,

    (Close - Open) / Open AS Yearly\_Return

FROM

    sp500\_prices.sp500\_prices

WHERE

    Year = 2022

ORDER BY

    Yearly\_Return ASC

LIMIT 10;

This SQL query identifies the 10 stocks and sectors with the lowest yearly returns in 2022 by retrieving data from the sp500\_prices table.

The query selects the Sector and Company columns along with a calculated column called Yearly\_Return, which represents the yearly return as a percentage for each stock and sector. The Year condition is set to 2022, and the data is sorted in ascending order by Yearly\_Return.

To display only the top 10 stocks and sectors with the lowest yearly returns, a LIMIT clause is added. This concise and effective query provides a quick and easy method for investors to identify the underperforming stocks and sectors in 2022.