This is my first project, which is designed to measure the performance of four companies in the same sector (Commercial Sector) and to develop solutions for the company where I work.

The tools I used include:

1. **Excel Worksheets with Pivot Tables:** For a clearer view of the companies and their performance.
2. **SQL Workbench:** To ensure accurate calculations by combining all values for each company into one file and then joining them using SQL JOIN.
3. **R Programming Language:** To create combined graphs in the Financial_Health file using the ggplot2 library.

You will find below four files:

1. **Project_Four_Companies (Original):** The actual data that I obtained.
2. **P_Adjusted:** Adjusted data formatted to measure the ratios.
3. **Ratios:** This file is divided into Four workbooks. The Third contains the ratios themselves, and the Fourth shows the percentage changes for every quarter compared to the previous quarter. Although the latter is not used frequently, it was necessary for more accurate analysis.
4. **Financial_Health:** For those who prefer to see all graphs combined for the four companies, this special file consolidates the visual data.

Note 😊: You will find in the Pivot Table's Slicer the years which are 2021, 2022, and 2023, shown as 21, 22, and 23, along with their four quarters. For example, the first quarter of 2021 appears as 21-Q1, the second quarter of 2023 appears as 23-Q2. If you want to show the graphs **for specific years with their quarters, hold Ctrl** and select the combined years as desired **after** clicking on **Enable Editing**.

Now, let's dive into the analysis. For more accurate clarifications, please refer to the Ratios file, specifically the Ratios workbook.