**1. Challenges Faced:**

* **Finding Indicators in the Data Bank**: One significant challenge was locating the indicators in the data bank with the names provided by the professor. Due to my limited knowledge in economics, it wasn't easy to determine which indicators to choose. This often led to confusion and delays.
* **Reformatting Excel Files**: When downloading the indicators for the years 2021 to 2023, the Excel files were not in a format suitable for creating the database. Therefore, I had to figure out how to restructure these files to fit my needs.
* **Database Normalization and ERD Creation**: Understanding database normalization and drawing the Entity-Relationship Diagram was quite challenging. It required a lot of time and effort to ensure the database was properly normalized.
* **Learning SQL and SQLite3**: As this was my first time working with SQL and SQLite3, I had to learn how to use these tools to create the database and define keys. The initial learning curve was steep and posed a significant challenge.

**2. Strategies Used to Overcome Obstacles:**

* **Seeking Help from AI**: I utilized AI tools to get assistance and guidance on various aspects of the project. This included understanding economic indicators, restructuring Excel files, and writing SQL queries.
* **Reviewing Previous Coursework**: Revisiting my previous coursework from BANA 614, which I completed almost two years ago, helped refresh my knowledge and provided valuable insights into data handling.
* **Watching YouTube Videos**: I watched several YouTube tutorials to learn how to work with SQL and SQLite3. These videos provided step-by-step instructions and practical examples, making it easier to grasp the concepts.
* **Googling Solutions**: I used Google to search for solutions to specific problems and challenges I encountered.

**3. Reflections and Lessons Learned:**

* **Improving Dataset Selection**: If I were to start this process again, I would spend more time understanding the requirements and indicators needed for the dataset. This would help streamline the selection process and reduce confusion.
* **Structured Learning Approach**: Adopting a more structured approach to learning SQL and SQLite3 would have been beneficial. Instead of tackling problems as they arose, a comprehensive study plan would have provided a stronger foundation.
* **Proactive Problem Solving**: The experience taught me the importance of proactive problem-solving. Seeking help early on, whether from AI tools or other resources, can significantly reduce the time and effort required to overcome challenges.