Assignment 5 - Mastering NotebookLM — From Documents to Insights

Student ID: 2132300065

Student Name: Lê Nguyễn Tâm Như

Notebook share link: https://notebooklm.google.com/notebook/e168d713-2b5a-4dd4-8989-0367326bb87f

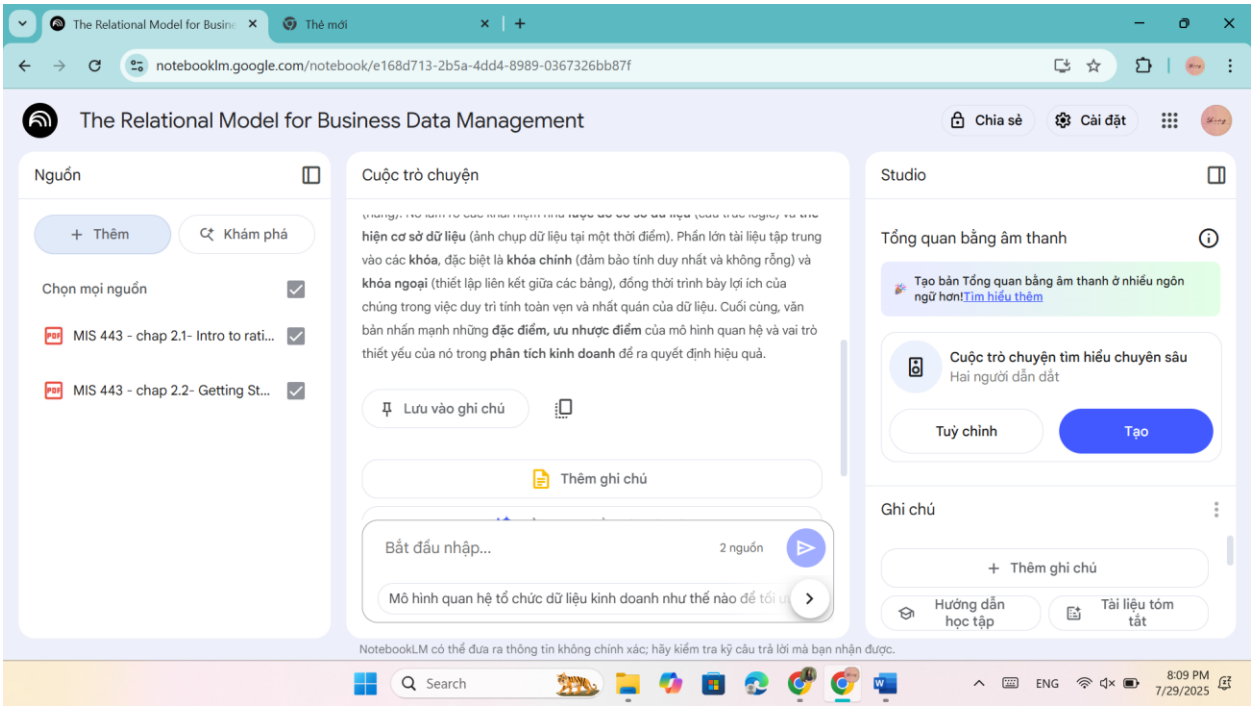
1. **Sign In & Create Notebook**

Document Title:

- MIS 443 - chap 2.1 - Intro to Relational Model
- MIS 443 - chap 2.2- Getting Started with SQL-st

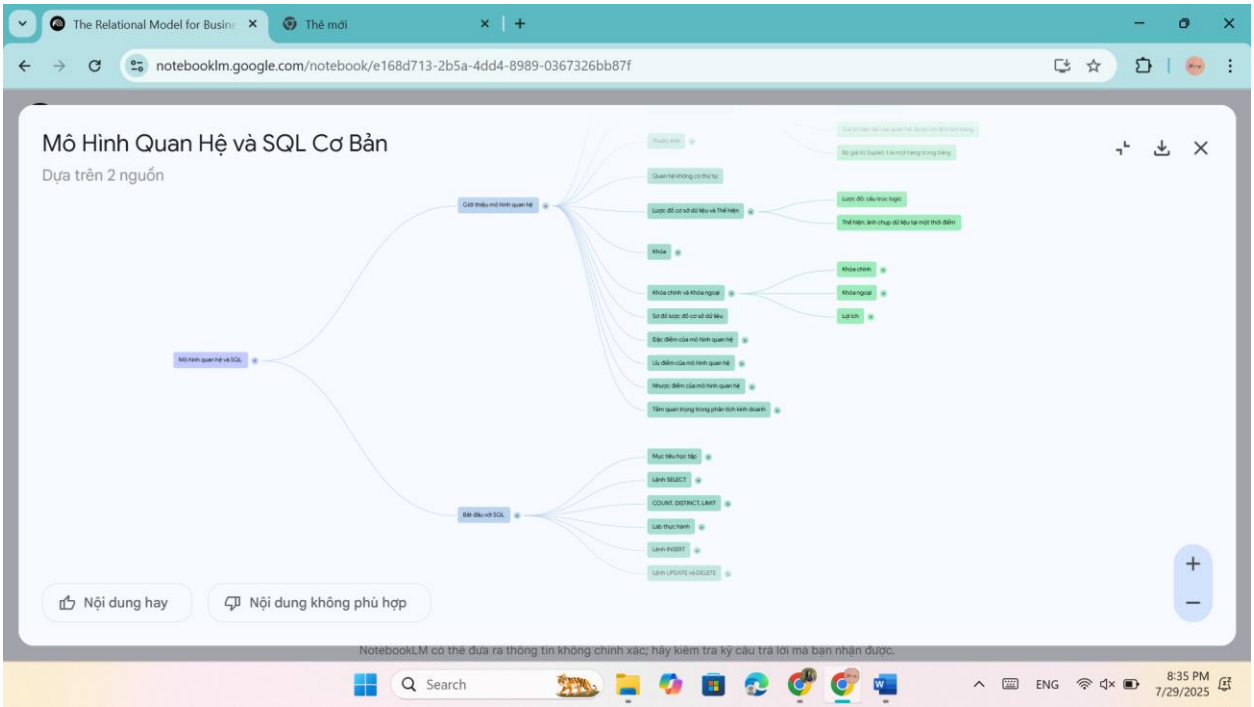
Purpose of the Document:

This document aims to introduce the fundamental concepts of the Relational Model in database management, including how data is organized in tables, relationships between tables, and key concepts related to Primary Keys and Foreign Keys. The purpose of the document is to provide a theoretical foundation for students and data analysts to understand how relational databases work and their application in managing and analyzing business data.



2. Generate Mind Map

- Click **"Mind Map"** in the Studio panel
- Explore connections, branches, and subtopics
- *Screenshot*: Capture the full mind map view



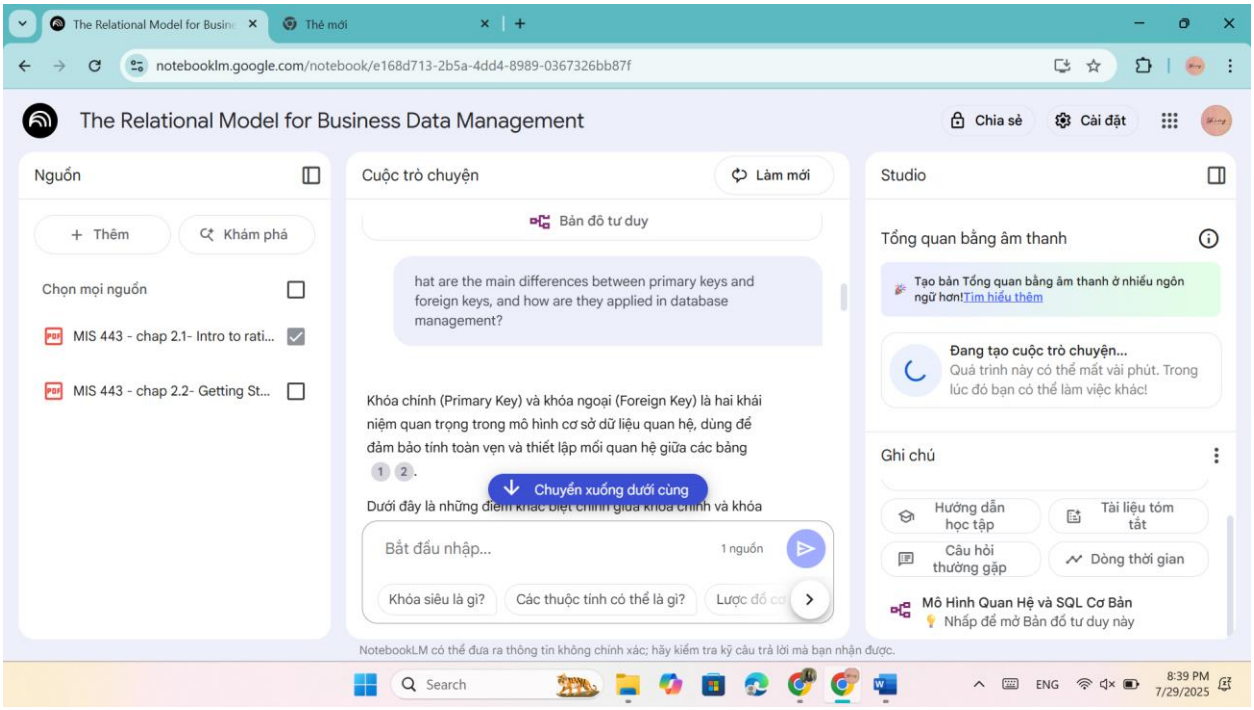
Interpret: The mind provides a structured overview of key concepts in database systems. It is divided into two main branches: the Relational Model and Getting Started with SQL. The first branch introduces foundational topics such as attributes, schemas, keys, and the logical structure of relational databases. It also highlights the advantages and disadvantages of the relational model and its significance in business analysis. The second branch covers essential SQL operations including SELECT, INSERT, UPDATE, and DELETE, along with specific functions like COUNT, DISTINCT, and LIMIT. This visual representation helps clarify the relationship between database theory and practical SQL application, offering learners a clear roadmap for understanding and applying relational databases in real-world contexts.

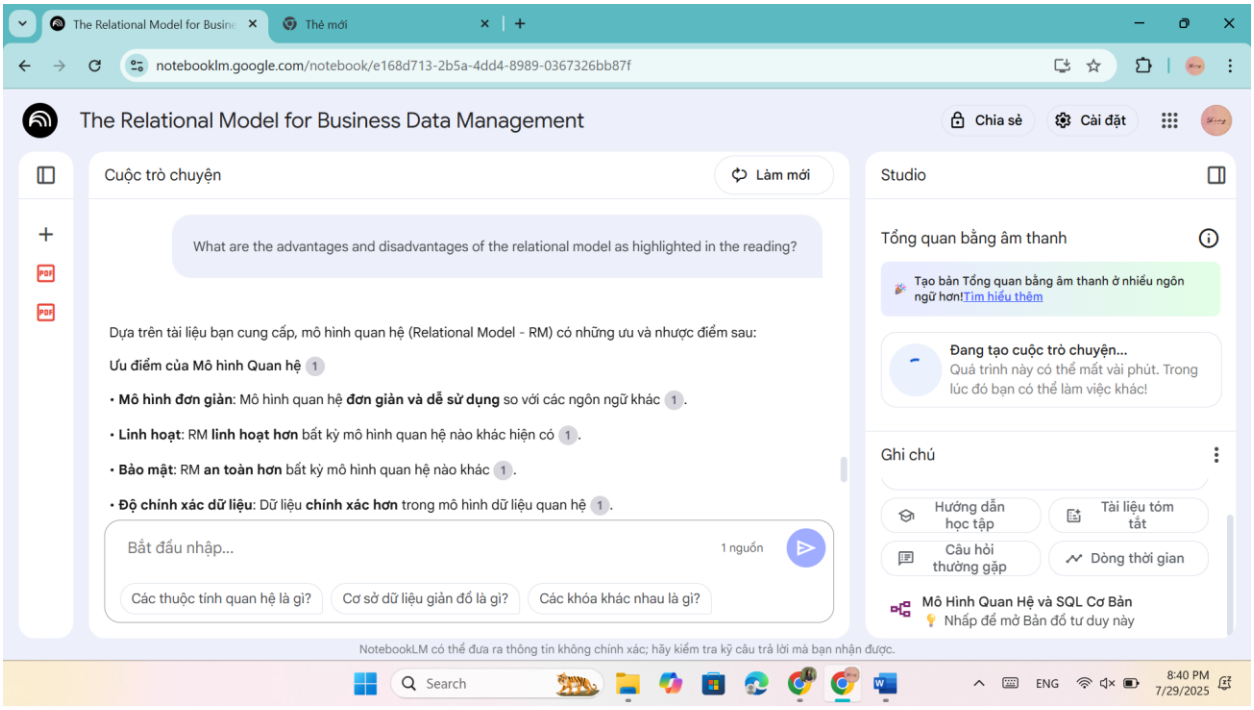
3. **Create Audio Overview**

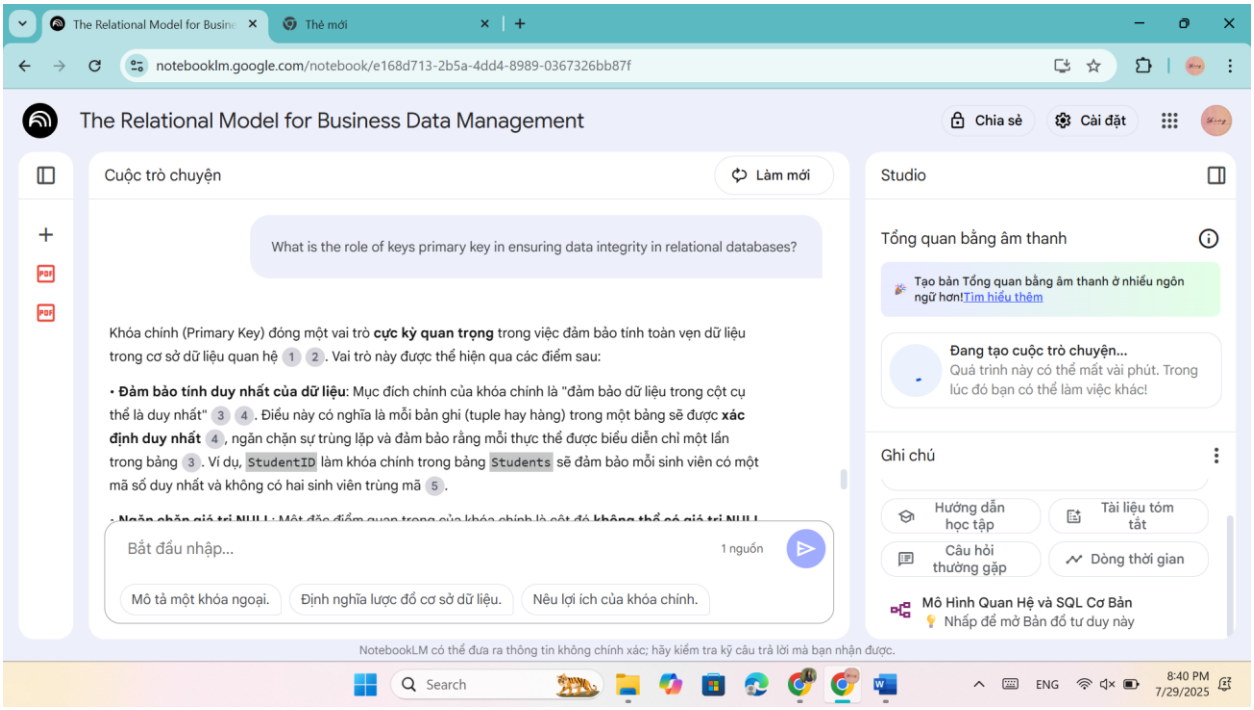
Question:

- What is the primary key?
- What is the foreign key?

4. **Use NotebookLM Chat**

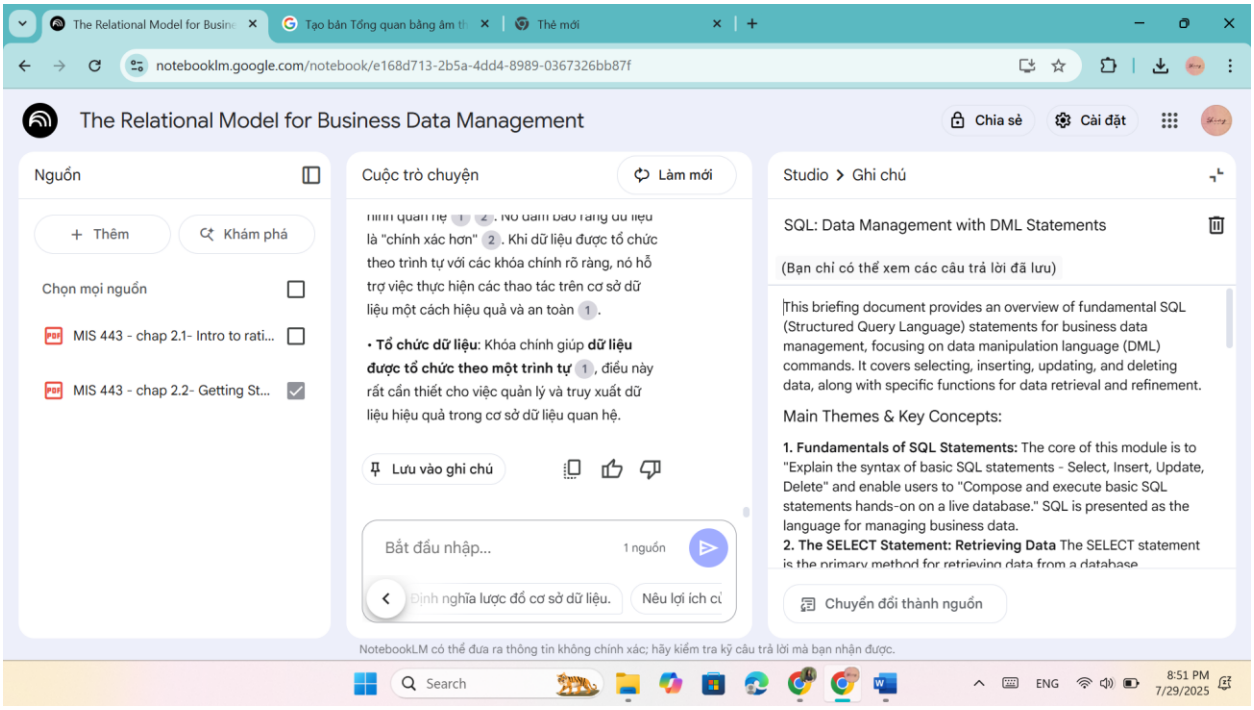






5. Export and Share

- Export a **briefing doc**, FAQ list, or executive summary from the Studio panel



6. Personal Reflection

The relational model offers a structured approach to organizing data, ensuring data integrity with the use of primary and foreign keys. This is essential in business analysis, where accurate data is critical for decision-making. Additionally, its flexibility through SQL queries allows analysts to retrieve and manipulate data easily, making it ideal for reporting and tracking key performance indicators.

However, its limitations include challenges with scalability for large datasets and representing complex relationships, which can lead to more complicated database schemas. Moreover, the relational model isn't well-suited for handling unstructured data.

In business analysis, the relational model helps by organizing and linking data across departments, improving reporting accuracy, and enabling data-driven decision-making.