Grace Time!

- What Is Database, DBMS, Database System, and relational DBMS?

- Files vs. Databases and why DBMS?

- What's Data, Data Model and Data Schema?

- What's ANSI-SPARC Architecture and how it supports data independence?

Grace Time!

- **What Is Relational Algebra?**

- What Is Relational Calculus ?

- What's the difference between Relational Algebra and Relational Calculus ?

- What's ANSI-SPARC Architecture and how it supports data independence?

Grace Time!

- What Is Basic SQL Query?

- What Is Conceptual Evaluation Strategy?

Grace Time!

- What Are the Five Aggregate Operators?
- How to Use Queries with Group BY and Having?
- How Database Systems Guarantee that Each Group Returns a Single Value?
- How CASE Expression works?
- How CAST Expression works?

Grace Time!

- What's Sub-query?

- What are the three typical forms of Sub-query?

- What's Recursion in SQL Query?