DATABASE
Philosophy Design Management

What is a Database (DB)?
What is a Database Management System (DBMS)?
What is a Database File and How to Create it?
What are Relational, Object-Oriented, XML and NoSQL Database?
What are Data Warehousing, Data Mining and Big Data?
What are OLTP, OLAP and Star Schema?
What are DDL, DML, DQL, TCC, DCL and DAC?
What is SQL? What are the Functions of SQL?
What is a Query? How to Optimize an SQL Query?
How to Design a Database?
What is Transaction and Isolation Management in SQL Server?
What are Primary Key (PK) and Foreign Key (FK)?
What are the Conceptual, Logical and Physical View of a Database?
What is the Entity-Relationship Diagram (ERD)?
What are 1NF, 2NF, 3NF, BCNF, 4NF, 5NF and DKNF?
What is Normalization and Denormalizasyon? Why are they Needed?
What are those Database Security Policies?
What are those Database Administration Tools?
What are the Duties of the Database Administrator (DBA)?
What is Performance Management in the RDBMS?
What are the Characteristics and Features of SQL Server?
How to Create Table, View, Index, and Constraints in SQL Server??
How to Create Trigger, Stored Procedure and Function in SOL Server?
What is Relational Algebra in SQL Server?
What are the Single and Multi-Line Functions of SQL Server?
How to Provide Performance Optimization in SOL Server?
What are the Characteristics and Features of Access Database?
How to Create Table, Query, Form, Report and Macro in Access?
What is VBA in Access?
What is the Future of Databases?
Do Databases Model the Real World? What is Data Science?
What is the Usage of Entropy Concept in Database World?
How DB and Big Data Affect Scientific Research?