

DATABASE

Philosophy Design and Management

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- What is a Database? What are the Types of Databases?
- What are Database Objects?
- What is a Database Management System (DBMS)?
- What is a Database File and Network System Architecture?
- What is the relationship Between Database and Cloud Computing?
- What is Relational, Object, XML and NoSQL Database?
- What is Data Warehousing, Data Mining, and Big Data?
- What is OLTP, OLAP and Star Schema?
- What is SQL? DDL? DML? DCL?
- 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?
- What is the Process of a Relational Database Design?
- What is Primary Key and Foreign Key?
- What is the Conceptual, Logical and Physical View of a Database?
- What is Relational Algebra?
- What is the Entity-Relationship Diagram, and Normalization?
- What is Normalization in DB? What are the Normal Forms?
- What is 1NF, 2NF, 3NF, BCNF, 4NF, SNF and DKNF?
- What is Denormalization?
- What are those Databases Security Policies?
- How to Run and Save a Query?
- What are those Database Administration Tools?
- What are the duties of the Database Administrator?
- What is Performance Management in the RDBMS?
- What are those Database Background Processes?
- How to Watch the Backend of DBMS?
- What is SQL Server DBMS, what are its Characteristics?
- How to Create Objects in SQL Server? Table? Index? Rules?
- How to Create Trigger, Stored Procedure and Default in SQL Server?
- What are the Functions of a SQL Server Administrator?
- How to Provide Performance Optimization in SQL Server?
- How to Configure SQL Server Machine?
- What is an Access Database? And its Features?
- How to Create a Table, Query, Form, Report and Macro in Access?
- What is VBA in Access?