

## DBT Flashcards PDF

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What is DBMS?

DBMS stands for Database Management System, which is software that interacts with end users, applications, and the database itself to capture and analyze data.

What are the types of DBMS?

The types of DBMS include Hierarchical, Network, Relational, and Object-oriented.

What is a relational database?

A relational database is a type of database that stores data in tables and allows for relationships between the tables.

What is SQL?

SQL stands for Structured Query Language, which is used to communicate with and manipulate databases.

What is normalization?

Normalization is the process of organizing data in a database to reduce redundancy and improve data integrity.

What is a primary key?

A primary key is a unique identifier for a record in a database table.

What is a foreign key?

A foreign key is a field in one table that uniquely identifies a row of another table, establishing a relationship between the two.

What is a database schema?

A database schema is the structure that defines the organization of data in a database, including tables, fields, relationships, and constraints.

What is a transaction in DBMS?

A transaction is a sequence of operations performed as a single logical unit of work, which must be completed in its entirety or not at all.

What is ACID in the context of databases?

ACID stands for Atomicity, Consistency, Isolation, and Durability, which are the properties that guarantee reliable processing of database transactions.