Logical schema

logical schema translates the conceptual schema into a more detailed, structured format that can be implemented in a specific DBMS. It defines tables, columns, data types, and relationships but remains independent of the physical storage details, It focuses on business concepts and rules.

Key characteristics.

It can be used in any DBMS.

It includes primary keys, foreign keys and constraints

Conceptual schema

A conceptual schema is a high-level, abstract representation of the data requirements of an organization. It focuses on what data is needed and how it relates, without worrying about technical implementation details.It defines the structure of the db for implementation.

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Key characteristics

It is business oriented which means it represents business concepts and rules

It defines entities,t their attributes and relationships which mean it is an entity relationship focused.

Physical schema

A physical schema is the actual implementation of the logical schema in a specific DBMS. It includes all the technical details required to create and manage the database, such as storage structures, indexes, and performance optimizations..

Key characteristics

It is DBMS specific

It defines how data is stored