Relational DataBase Management Systems (RDBMS)

Using RDBMS allows us to:

* No Data redundancy
* Data Consistency and Integrity
* Easy access to data
* More flexibility than files
* Recovery process

Conceptual Model

* A conceptual model is a graphic representation that serves to describe the functioning of a Database.
* It represents the main objects contained in the database, their characteristics and the relationships established between these different objects.
* This representation is normalized according to a well-defined modeling.
* The conceptual model is independent from DBMS.

Logical Relational model

* A logical model or relational schema is a data representation model that adds more information to the conceptual model based on several rules.
* The logical model illustrates the data elements structure and set the relationships between these different elements.
* The logical model is independent from the DBMS

Physical model

* The physical data model or physical schema is an implementation of the logical data model in a specific RDBMS.
* It represents the structure and content of the database (tables, columns, data types, constraints, etc.).
* The physical model is dependent from the DBMS