

# Abstract



- For example: MySQL, Oracle, etc are a very popular commercial database which is used in different applications.
- DBMS provides an interface to perform various operations like database creation, storing data in it, updating data, creating a table in the database and a lot more.
- Data Model is the modeling of the data description, data semantics, and consistency constraints of the data.



- Relational Data Model: This type of model designs the data in the form of rows and columns within a table.
- Thus, a relational model uses tables for representing data and in-between relationships.
- This model was initially described by Edgar F.



- The relational data model is the widely used model which is primarily used by commercial data processing applications.
- Entity-Relationship Data Model: An ER model is the logical representation of data as objects and relationships among them.
- This model was designed by Peter Chen and published in 1976 papers.



- For example, `student_name`, `student_id` describes the 'student' entity.