





SQL Beginner to Guru

MySQL Edition

Each question will be displayed for 10 seconds.
If you need more time, just press pause.



What is a relational database?





Relational database is a database model for storing data with tables which have relations to other tables.





Who proposed the relational model?





Edgar F. Codd in 1969 first proposed the relational model.





What is SQL?





SQL stands for Structured Query Language, a standard language to store, manipulate, and retrieve data in databases.





What does a column represents in a relational database?





- A column represents a set of data values through:
- A human readable unique name, such as `FIRST_NAME`, `LAST_NAME`
 - A data type, such as String, Date, Type, and Number, and
 - Optional constraints, such as length of permitted data and whether or not Null values are accepted.





What is a row in a relational database?





A row is a distinct database record.





What is a primary key?





A primary key is a set of special database column(s) used to uniquely identify a database record.





Is primary key mandatory in a table?





No. However, it is recommended to have a primary key in a table.





What is a surrogate key?





A surrogate key is a type of primary key. It is typically a system generated unique identifier that has no business value and that should not change. Using a surrogate key instead of "real" or natural key is considered a best practice in Relational Database design.





How are database table relations defined?





Database table relations are defined through Foreign Key Constraints in conjunction with Primary Keys.





Which type of database table relationships will you use to model an order with multiple items?





One to Many





Which type of database table relationships will you use to model customers and products in an ecommerce store?





Many to Many





Which type of database table relationships will you use to model a user with a Social Security Number?





One to One



