



# **What is a Table, Column and ROW?**

# What is a Table..

- Relational database system contains one or more objects called tables.
- The data or information for the database are stored in these tables.
- Tables are uniquely identified by their names
- The number of tables in a database is limited only by the number of objects allowed in a database (2,147,483,647) for MSSQL.
- MySQL has no limit on the number of tables.

**Columns** stores a specific data type

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**Row** →  
Or record

Emp No	Name	Age	Department	Salary
001	Alex S	26	Store	5000
002	Golith K	32	Marketing	5600
003	Rabin R	31	Marketing	5600
004	Jons	26	Security	5100

# What is a Column...

- Column is a set of data values, all of a single type, in a table.
- Columns define the data in a table.
- A column may contain text values, numbers, or even pointers to files in the operating system.
- Column name is unique in table.
- Maximum no of Columns in SQL server is 1024.
- Maximum no of Columns in MySQL is 4096.
- Table need at least one column.
- Field = Column.
- Field is the intersection of a row and a column.

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# What is a ROW...

- In database terms, a *row* is a collection of fields that make up a record.
- A row is also called a *record*.
- Each row represents a unique record.
- A table can contain zero or more rows. When there are zero, it said to be empty table.
- The number of rows in the table is limited only by the storage capacity of the server.

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