

What kind of database is MongoDB?

- NoSQL (Not Only SQL) database
- Document Oriented DBMS
- Search instead of SQL
- Uses BSON (Binary JSON) as data model

Terminology

SQL Terms/Concepts	MongoDB Terms/Concepts
database	database
table	collection
row	document
column	field
index	index
table join	linking

Differences v.s. RDBMS

- You can create collections without defining the structure
- You can change the structure of documents simply by adding new fields or deleting existing ones
- Documents in a collection need not have an identical set of fields
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Suitable Scenario

- Not strictly consistent
- Not strictly need real-time write/read
- Simple query with huge data

Example

- MongoDB on Ubuntu Linux
- MongoDB on Cloud
<https://mongolab.com/>