



mongoDB

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MySQL is a relational database management system (RDBMS) that uses a structured query language (SQL) to store and manage data.



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Mongo DB is a document-based database that stores data in JSON-like documents.



In MySQL, data is stored in tables with rows and columns.



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In MongoDB, data is stored in collections of JSON-like documents.



MySQL uses a **fixed schema**, where the structure of the tables must be defined before data can be inserted.



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MongoDB uses a **dynamic schema**, where documents can have different fields.



MySQL is optimized for **complex joins** and **transactions**.



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MongoDB is optimized for **scalability** and **high performance**.



MySQL is used in more traditional business applications.



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MongoDB is often used in big data and real-time web applications.



SQL databases follow **ACID properties**
(Atomicity, Consistency, Isolation and
Durability)



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NoSQL database follows the **BASE principle**
(Basically Available, Soft State, Eventually
Consistent).



A great choice if you have structured data and need a traditional relational database.



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A great choice if you have unstructured and/or structured data with the potential for rapid growth.