cs406-s21
Asad Zaman, p180034

Report
MongoDB vs MySQL

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p180034@nu.edu.pk

1.   MongoDB

MongoDB is a NoSQL (Not only SQL) database that stores large volumes of data in the form of documents. MongoDB removes the concept of **rows** of conventional and relational data models by introducing **documents**. This offers the developers the flexibility to work with evolving data models.

2.   MySQL

MySQL is a free, open-source, relational database management system that stores data in the form of tables containing rows and columns. It uses **RDBMS** to ensure referential integrity between the rows of a table and interprets queries to fetch information from the database.

3.   Differences

	MySQL	MongoDB
Data Structure	stored as rows, columns	JSON
Schema	Requires	Doesn't Requires
Language	SQL	JSON Query Language
Foreign Key	Support	Doesn't Support
Replication	Support Master Slave and Master Master Replication	Support Shared Replication
Scalability	can be scaled vertically	can be scaled both vertically and horizontally
Operation	supports Join operation	doesn't support Join operation