



**Technologica Computer Education Society (Govt.Regd)**

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## **MongoDB Syllabus**

No SQL Databases

Advantages over RDBMS

MongoDB Data Types

Install MongoDB

MongoDB Data Modeling

MongoDB Operators

Query & Projection Operator

MongoDB Update Operator

Aggregation Pipeline Stages

MongoDB limit()

MongoDB sort()

Query Modifiers

Database Commands

Aggregation Commands

Geospatial Command

Query & Write Operation Commands

Query Plan Cache Commands

Authentication Commands

User Management Commands

Role Management Commands

Replication Commands

Sharding Commands

Session Commands

Database

Create Database

Drop Database

Collection

Create Collection

Drop Collection

CRUD: Documents

Insert Documents

Update Documents

Delete Documents

Query Documents

SQL to MongoDB Mapping

MongoDB text search

MongoDB Shell

MongoDB Shell

Shell Collection Methods

Cursor Methods

MongoDB Database Commands

Query Plan Cache Methods

User Management Methods

Role Management Methods

MongoDB Replication Methods

Bulk Operation Methods

Connection Methods

Sharding Methods

MongoDB Cloud

MongoDB Stitch

MongoDB Atlas

MongoDB Cloud Manager

MongoDB Ops Manager

MongoDB Tools

MongoDB Compass

MongoDB BI connector

Differences

Cassandra vs MongoDB

Couchdb vs MongoDB

Redis vs MongoDB

Connectivity

Java MongoDB

PHP MongoDB

Python MongoDB

Node.js MongoDB

Misc

MongoDB Upsert

MongoDB \$and Operator

MongoDB \$not Operator

MongoDB \$or Operator

MongoDB \$in Operator

MongoDB \$nor Operator

MongoDB find() Method

MongoDB \$group operator

MongoDB Regex

MongoDB \$exp Operator

MongoDB \$unwind operator

MongoDB \$abs Operator

MongoDB \$floor Operator

MongoDB \$ceil Operator

MongoDB \$log Operator

MongoDB \$mod Operator

MongoDB \$divide Operator

MongoDB \$multiply Operator

MongoDB \$pow Operator

MongoDB \$sqrt Operator

MongoDB \$subtract Operator

MongoDB \$trunc Operator

MongoDB \$round Operator

MongoDB \$ln Operator

MongoDB \$log10 Operator

MongoDB \$cmp Operator

MongoDB \$concat Operator

MongoDB \$nin Operator

MongoDB \$gt Operator

MongoDB \$gte Operator

MongoDB \$lt Operator

MongoDB \$eq Operator

MongoDB \$lte Operator

MongoDB \$ne Operator

MongoDB \$size Operator

MongoDB \$rename operator