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MongoDB Tutorial

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>What is MongoDB - A quick introduction to <u>database</u>

> Difference in MongoDB and RDBMS -

What are Database, collection, document and

field in MongoDB

>Install and connect to MongoDB on windows

>Create new database in mongoDB

>See list of all databases in MongoDb, switch database

>Drop database in mongoDB

>Create new collection(table) in mongoDB

>See list of all collections (tables) in database in MongoDb

>How to Drop collection in MongoDB

>CRUD operations in MongoDB

>Query (read/ display/ find/ search/ select) documents in collection in mongoDB

• find document where id=1 and firstName='xyz' in mongoDB

• find document where firstName length is greater (>) than 3 in MongoDB

How to Limit number of documents fetched in MongoDB

• Pretty print - Display documents of collection in formatted manner in mongoDB

• Find document from collection where field(column) EXISTS or not in collection in MongoDB

• Sorting (order by) documents in MongoDB

• EQUALS (=) and NOT EQUALS (!=) conditions - using \$where, \$eq and \$ne operator in MongoDB

• Projections in MongoDB - Selecting specific fields of documents in collection in MongoDB

• Use AND and OR condition together > using \$and operator and \$or operator in **MongoDB**

• LESS THAN (<) and LESS THAN EQUALS (<=) - using \$where, \$lt and \$lte operator in MongoDB

• GREATER THAN (>) and GREATER THAN EQUALS (>=) conditions - using \$where, \$gt and \$gte operator in MongoDB

• OR condition - using \$or operator on document in collection in MongoDB

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- AND condition using \$and operator on document in collection in MongoDB
 - <u>Using like statement (as in sql) in MongoDB</u>
 - >Insert in collection(table) in mongoDB
 - ><u>Update documents in collection in mongoDB</u>
 - >Delete documents in collection (table) in mongoDB

Read : MongoDB java tutorial - with full programs

- ><u>Data Modelling in MongoDB Multiple tables</u>
- ><u>Aggregation functions (group by) in MongoDB</u>
 - Find count of all employee by group in collection in MongoDB
 - <u>count() Method Find count of all employee</u> in collection in MongoDB
 - <u>\$sum operator sum of salary by group in MongoDB</u>
 - \$avg operator average of salary by group in MongoDB
 - \$min operator Find minimum value from documents in MongoDB
 - \$max operator in MongoDB Find maximum value from documents
 - <u>\$first operator in MongoDB</u>
 - <u>\$last operator in MongoDB</u>
 - <u>\$stdDevPop</u> operator in MongoDB Find standard deviation from documents
 - <u>\$push operator in MongoDB</u>
 - <u>\$addToSet operator in MongoDB</u>

>How to **Delete all documents** from collection in MongoDB

Relationship in MongoDB

- 1 1 Relationship in MongoDB One to One
- 1 Many Relationship in MongoDB One to Many
- Many 1 relationship in MongoDB Many to One

Many-Many relationship in MongoDB

Important >

- ><u>Transaction management in MongoDB How to achieve like ACID transactions in RDBMS</u>
- >Database Model reference DBRefs in MongoDB
- ><u>\$type</u> aggregation operator in MongoDB To display type of the field in document

><u>objectId</u> in MongoDB

All Labels

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- >analyze our mongoDB queries using explain() method
- >findAndModify() method Query and Update document atomically in MongoDB

≥ 2020 (1)≥ 2018 (114)

► August (14)

▶ June (20)▶ May (40)

► **April** (54)

► March (34)► February (41)

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- >Map-Reduce function in MongoDB
- >What are Capped collection in MongoDB
- ><u>regex (regular expression) in MongoDB</u>
- >Insert/ Put list of values in array in existing document/record in MongoDB
- >How to retrieve only specific element from an array in MongoDB
- >How to get MongoDB help
- ><u>UI tool for mongoDB Installing and using RoboMongo tutorial</u>
- >Get names of all keys in collection in MongoDB
- >How to add new field in document in collection in MongoDb
- >Rename database in mongoDB
- >Rename collection in MongoDB
- >Replication in MongoDb Its advantage What is replica set
- >Sharding in MongoDb In just 5 minutes
- >How to create backup of MongoDB Backup and restore In 1 minute
- >Monitoring MongoDB statistics understanding mongostat command

Few more knowledge on MongoDB >

- >using HAVING clause like sql in MongoDB
- >Alter in MongoDB Add or remove column in collection using updateMany and \$set
- >Covered query in MongoDB
- >ifnull Print message not found rather than null if field is null in MongoDB
- >How to use IF ELSE in MongoDB
- >Working with **DATES** in mongoDB **Inserting** date (current and custom) and querying it
- >Solved : detected unclean shutdown mongod.lock is not empty

Also read : MongoDB | aVa tutorial - with full programs

INDEXING >

- >Indexing in mongoDB in detail
- >Create index on multiple fields(compound index) in collection in MongoDB
- >Drop index on fields in collection in MongoDB
- >Creating indexes (Multikey index) and compound indexes on array in MongoDB And its Limitations
- ><u>Text indexes</u> in MongoDB Creating, query and dropping text index



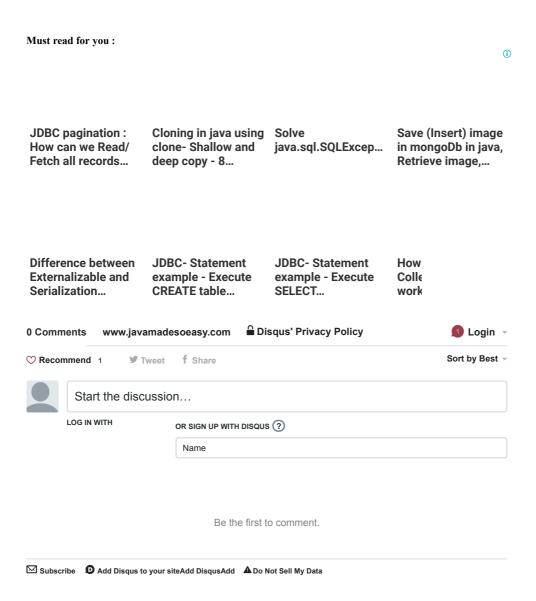
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