

Mongo DB

Introduction

Introduction to MongoDB
Introduction to NoSQL

Installing and Running MongoDB

Downloading MongoDB
Installing MongoDB
Running MongoDB
Customizing MongoDB
Installing MongoDB as a Service
Connecting to MongoDB Database via Mongo Shell
Listing Databases using Mongo Shell
Looking for Help in Mongo Shell
MongoDB Tools

Replica Sets

Introduction to Replica Sets
How to configure a Replica Set
Verifying a Replica Set
Replica set failover

Exploring Mongo Shell

Introduction to Mongo Shell
Usage Scenarios
Preventing Database Deletion
Shortcut Keys
Editing in external Editors
Loading Scripts within the Shell
Making use of .mongorc.js file

NoSQL Terminology

NoSQL Database Terms

Our Courses

Java Full Stack, Dotnet Full Stack, Python Full Stack, Data Science (AI & ML), Front End – Angular, Front End – React, Testing, Tools – QA, Digital Marketing, Tally, MS Office, C & DS, Java, Advanced Java, Azure Devops, UI Technologies

Working with MongoDB Database

- Creating Databases
- Inserting Documents using JavaScript Way {Object Literals}
- Exploring Object ID datatype
- Exploring Relations in MongoDB
- Deleting a Collection
- Importing data from a file
- Pretty Print Collections Data

Querying MongoDB Collections

- Querying Collections - Selectors
- Querying Collections - Multiple Selectors
- Limiting fields via Selectors - Include / Exclude
- Difference between Find and FindOne
- Query inside of sub objects
- Querying Collections - Filtering sub collections

Working with MongoDB Operators

- The \$in Operator
- The \$all Operator and \$in vs \$all
- The \$ne Operator
- Numeric Operators
- Boolean Operators
- Special Operators
- \$nin Not in operator

SQL Query Methods - Distinct, Like and GroupBy

- Making use of distinct
- Making use of Regex - Like clause in SQL
- Group By

Count, Sort and Limit Records

- Count Records
- Sorting
- Limiting records

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CRUD Operations

- Updating One record at a time Preview
- Updating Multiple records
- Exploring FindAndModify
- Updating array items - Push Operator
- Updating array fields - Adding Unique values to Array collections
- Removing array items - Pull Operator
- Removing array items - Pop Operator
- Positional Operator
- Rename Operator
- Deleting records and database

Indexing

- Introduction to Indexes
- Types of Indexes
- Creating a simple Index
- Creating a compound Index
- Creating a sparse Index
- Dropping an Index
- When an Index will be used

User Management And Authentication

- Creating and Authenticating Users – MongoDB

Working with PHP and MongoDB

- Working with PHP and MongoDB

Conclusion

- Conclusion and File Download

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