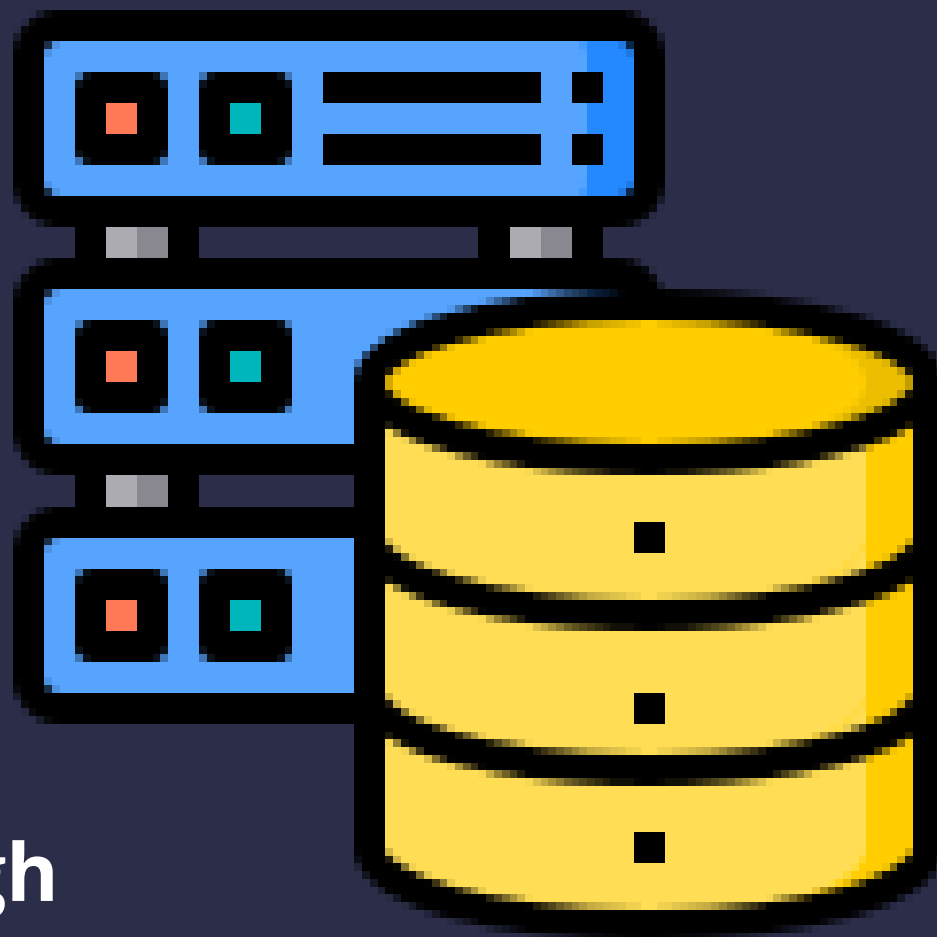# MongoDB

Indexes

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Why use index?

- **Indexes support the efficient execution of queries in MongoDB**

- **MongoDB uses indexing in order to make the query processing more efficient.**

- **If there is no indexing, then the MongoDB must scan every document in the collection and retrieve only those documents that match the query**

- **In simple word it's for fatser Query**

What is index?

- **An index in MongoDB is a special data structure that holds the data of few fields of documents on which the index is created.**

- **Indexes improve the speed of search operations in database because instead of searching the whole document,**

Name and Definition ⌃	Type	Size	Usage	Properties	Drop
_id_ _id ⬆	REGULAR ⓘ	184.0 KB	8 since Thu Aug 03 2017	UNIQUE ⓘ	
arrivalAirportFsCode_1 arrivalAirportFsCode ⬆	REGULAR ⓘ	60.0 KB	0 since Thu Aug 03 2017		🗑

DOCUMENTS SCHEMA EXPLAIN PLAN INDEXES VALIDATION

CREATE INDEX

How it's work?

- **Every time you create the index ,It will store the index in a form of B-Trees**

- **In B-Trees you will get less Number of nodes that's makes the searching in a faster ways**

- **Nodes are depend on Degree , which mean if you increase the Degree than the nodes will Decrease.**

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We daily add this kind of of posts so,if you wanna to see more content relate to code ,then follow @code.singh for more development code

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