

Knowledge Organiser: MongoDB



Summary

MongoDB is an open source NoSQL database management program. NoSQL is used as an alternative to traditional relational databases. NoSQL databases are quite useful for working with large sets of distributed data. MongoDB is a tool that can manage document-oriented information, store or retrieve information.

Commands

<code>insert()</code>	<code>// insert document(s) returns write result</code>
<code>insertOne ()</code>	<code>// insert one document</code>
<code>insertMany()</code>	<code>// insert many documents</code>
<code>insertMany([{} ,{} ,{}])</code>	<code>// needs square brackets</code>
<code>db.collection.find()</code>	<code>//Display documents from collection</code>
<code>find()</code>	<code>// find all matching documents</code>
<code>findOne()</code>	<code>// find first matching document</code>
<code>updateOne()</code>	<code>// Change one document</code>
<code>updateMany()</code>	<code>// Change many documents</code>
<code>replaceOne()</code>	<code>// Replace document entirely</code>
<code>deleteOne()</code>	<code>// Delete one document</code>
<code>deleteMany()</code>	<code>// Delete many documents</code>

Filters

\$eq Matches values that are equal to a specified value.

\$gt Matches values that are greater than a specified value.

\$gte Matches values that are greater than or equal to a specified value.

\$in Matches any of the values specified in an array syntax:
{key:{\$in: [array of values] } }

\$lt Matches values that are less than a specified value.

\$lte Matches values that are less than or equal to a specified value.

\$ne Matches all values that are not equal to a specified value.

\$nin Matches none of the values specified in an array.

\$and Performs AND operation syntax: {\$and: [{},{}] }

{key: {\$op: filter}, {filter}} \$and operator is necessary when the same field or operator has to be specified in multiple expressions

find({doc.subdoc:value}) Filter sub documents