MongoDB Compass cheat sheet

Docs for queries: https://docs.mongodb.com/manual/reference/operator/query/

Basic query structure: { field1: "arguments", field2: "arguments" }

Logical operators

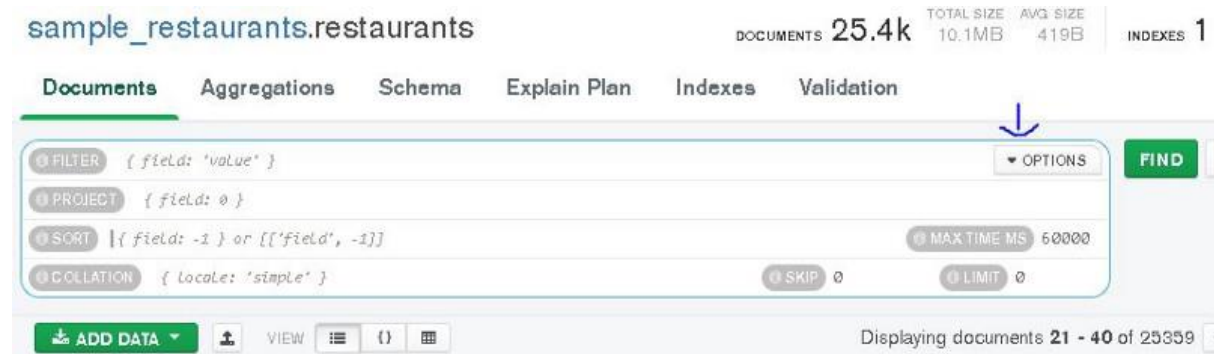|	Operator	Example
AND	$and	{$and:[{borough: "Queens"}, {cuisine: "American"}]} Equivalent to: {borough: "Queens", cuisine: "American"}
OR	$or	{$or:[{borough: "Queens"}, {cuisine: "American"}]}
NOT	$ne	{cuisine: {$ne:"American"}}
	$eq	{cuisine: {$eq:"American"}}
	$nin	{cuisine: {$nin: ["Hamburgers","Bakery"]}}
	$in	{cuisine: {$in: ["Hamburgers","Bakery"]}}
	$exists	{cuisine:{$exists: false}}

Comparison query operators

	Operator	Example
>	$gt	{runtime: {$gt: 60}}
≥	$gte	{runtime: {$gte: 60}}
<	$lt	{runtime: {$lt: 60}}
≤	$lte	{runtime: {$lte: 60}}

Querying objects and arrays

	Opeation	Example
Objects	Get Documents with specified value of field in object	{"tomatoes.viewer.rating": 3}
Arrays	Get value of array at specified index	{"genres.0":"Drama"}
	Get all Documents that have an array field containing the specified value	{"genres":"Comedy"}
	Get all Documents that have an object in an array field that has the specified values	{"scores.type":"exam", "scores.score":{$gt: 90}}

Search options in MongoDB Compass

PROJECT	Removes fields from the query result. Useful in large Collections containing Documents with many fields because it helps speed up the query because it reduces the size of all returned Documents. Set to "0" to exclude a field, "1" to include just it
SORT	What this does depends on the target field's value type. The value of each field for SORT can be either "1" or "-1" • If the value is a Date, SORT arranges Documents by the earliest/latest date of the field • If the value is a String, SORT arranges Documents in by the field's string value in alphabetical order • If the value is a number, SORT arranges by increasing/decreasing number
LIMIT	Specifies the maximum number of Documents to return
SKIP	Specifies how many Documents to skip from the search result starting from the first Document
MAX TIME MS	Specifies the maximum time in miliseconds to run the query
COLLATION	Allow setting language-specific rules for string comparison, such as rules for lettercase and accent marks