

04 CRUD Operaciones de borrado

Método remove()

<https://docs.mongodb.com/manual/reference/method/db.collection.remove/#db.collection.remove>

Removes documents from a collection.

The `db.collection.remove()` method can have one of two syntaxes. The `remove()` method can take a query document and an optional `justOne` boolean:

```
db.collection.remove(  
  <query>,  
  <justOne>  
)
```

Or the method can take a query document and an optional remove options document:

```
db.collection.remove(  
  <query>,  
  {  
    justOne: <boolean>,  
    writeConcern: <document>,  
    collation: <document>  
  }  
)
```

Parameter	Type	Description
query	document	Specifies deletion criteria using query operators. To delete all documents in a collection, pass an empty document (<code>{}</code>).
justOne	boolean	Optional. To limit the deletion to just one document, set to true. Omit to use the default value of false and delete

		all documents matching the deletion criteria.
writeConcern	document	Optional. A document expressing the write concern. Omit to use the default write concern. See Write Concern. Do not explicitly set the write concern for the operation if run in a transaction. To use write concern with transactions, see Transactions and Write Concern.
collation	document	Optional.

Behavior

Write Concern

The `remove()` method uses the `delete` command, which uses the default write concern. To specify a different write concern, include the write concern in the options parameter.

Query Considerations

By default, `remove()` removes all documents that match the query expression. Specify the `justOne` option to limit the operation to removing a single document. To delete a single document sorted by a specified order, use the `findAndModify()` method.

When removing multiple documents, the `remove` operation may interleave with other read and/or write operations to the collection.

Capped Collections

You cannot use the `remove()` method with a capped collection.

Sharded Collections

All `remove()` operations for a sharded collection that specify the `justOne` option must include the shard key or the `_id` field in the query specification. `remove()` operations specifying `justOne` in a sharded collection which do not contain either the shard key or the `_id` field return an error.

Transactions

`db.collection.remove()` can be used inside multi-document transactions.

Do not explicitly set the write concern for the operation if run in a transaction. To use write concern with transactions, see Transactions and Write Concern.

Práctica

```
> db.titulos.remove({autor: /John/})
WriteResult({ "nRemoved" : 5 })

> db.libros.remove() // Devuelve error puesto que el parámetro query es
obligatorio
2020-01-22T17:06:16.397+0100 E QUERY [thread1] Error: remove needs a query :
DBCollection.prototype._parseRemove@src/mongo/shell/collection.js:357:1
DBCollection.prototype.remove@src/mongo/shell/collection.js:382:18
@(shell):1:1
> db.libros.remove({})
WriteResult({ "nRemoved" : 4 })
```

Método deleteOne()

<https://docs.mongodb.com/manual/reference/method/db.collection.deleteOne/#db.collection.deleteOne>

Removes a single document from a collection.

Sintaxis

```
db.collection.deleteOne(
  <filter>,
  {
    writeConcern: <document>,
    collation: <document>
  }
)
```

Método deleteMany()

<https://docs.mongodb.com/manual/reference/method/db.collection.deleteMany/>

Removes a single document from a collection.

Sintaxis

```
db.collection.deleteMany(  
  <filter>,  
  {  
    writeConcern: <document>,  
    collation: <document>  
  }  
)
```

Additional Methods

The following methods can also delete documents from a collection:

`db.collection.findOneAndDelete()`.

`findOneAndDelete()` provides a sort option. The option allows for the deletion of the first document sorted by the specified order.

`db.collection.findAndModify()`.

`db.collection.findAndModify()` provides a sort option. The option allows for the deletion of the first document sorted by the specified order.

`db.collection.bulkWrite()`.