MONGODB

UPDATING DOCUMENTS 1

UPDATING A SINGLE DOCUMENT

▸ db.collection.updateOne(filter, update, options)

▸ https://docs.mongodb.com/manual/reference/method/db.collection.updateOne/

▸ Filter is the same as for deleting documents

▸ Update operators specifies how to manipulate the document

UPDATE DOCUMENT

▸ https://docs.mongodb.com/v4.0/reference/operator/update/

▸ Operators prefixed with $ to differentiate from field names

$set

▸ Sets the value of a field

▸ Will create the field if it does not exist

▸ Syntax

  ▸ { $set: { age: 21 } }

▸ Subdocuments can be access via dot notation

  ▸ { $set: { age.year: 2011 } }

  ▸ Subdocuments created as necessary

$setOnInsert

▸ Sets the value of a field, ONLY when creating a new document

▸ Works in co-operation with the upsert flag

▸ Otherwise works as set

$inc

▸ Increments a field by the specified value

▸ Syntax

  ▸ { $inc: { age: 1 } }

$unset

▸ Removes a field from the document

▸ Syntax

  ▸ { $unset: { age: "" }}

$rename

▸ Renames a field in the document

▸ Syntax

  ▸ { $rename: { 'age': 'birthday' } }

▸ Can be used to move a field in or out of an embedded document

DEMONSTRATION

PRACTICAL

▸ Experiment with updating documents

▸ Try using different operators to see their effect

OBSERVATIONS

▸ Update takes a filter to determine which document to update

▸ Use a uniquely indexed filter to be sure which document will be replaced

▸ Update operator expressions are used to describe how to modify the document

▸ Will create a new document if the filter does not match an existing document and the upsert flag is set

▸ Modifications are performed on the server