# Lab 9 – Week 11

# (MongoDB – UPDATE)

## Objective

## Submission

You submit this file with answers (in the provided space). Name the file L09\_ID#\_LASTNAME.docx”.

## Tasks

1. Write an update statement to add new fields *program* and *term* to all documents in the *students* collection and set them to values “*CPA*” and *1*.

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| --- |
| db.students.updateMany({},{$set :{"Program" : "CPA","Term" : 1}})  { "acknowledged" : true, "matchedCount" : 27, "modifiedCount" : 27 } |

1. Write an update statement to modify the value of the *program* field to “*BTM”* for all documents in the *students* collection.

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| db.students.updateMany({},{$set :{"Program" : "BTM"}})  { "acknowledged" : true, "matchedCount" : 27, "modifiedCount" : 27 } |

1. Write an update statement to modify the value of the program field to “*CPA”* for the student named *Jonie Raby*.

Before executing an update statement or a delete statement, you can use the *find()* method with the update or delete criteria, to see how many documents will be affected.

Write the update statement in the box below.

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| > var name = db.students.findOne({"name" : "Jonie Raby"})  > name.program = "CPA"  CPA  > db.students.update({"name" : "Jonie Raby"},name)  WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 }) |

How many documents are there with the value *Jonie Raby* for the *name* field? 1

How many documents were updated? 1

1. Write a query to show only the *program* field for the document that the value of the filed *name* is *Jonie Raby*.

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| --- |
| db.students.findOne({"name" :"Jonie Raby"},{"Program" : 1, "\_id" : 0})  { "Program" : "CPA" } |

1. Write an update statement to increase the value of the *term* field by 2 for documents with *\_id* 20, 22, and 24.

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| db.students.updateMany({"\_id" : {$in : [20,22,24]}},{$inc : {"term" : 1}})  { "acknowledged" : true, "matchedCount" : 3, "modifiedCount" : 3 } |

1. Write an update statement to remove the *term* field from documents that the value of the *term* filed is 3.

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| --- |
| db.students.updateMany({"term" : 3},{$unset : {"term" : 1}})  { "acknowledged" : true, "matchedCount" : 0, "modifiedCount" : 0 } |