## 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.getCollection('students').update({},{$set: {"program" : "CPA", "term" : 1}},{multi: true})**  Result:  WriteResult({ "nMatched" : 27, "nUpserted" : 0, "nModified" : 3 }) |

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.getCollection('students').update({},{$set: {"program" : "BTM"}},{multi: true})**  result:  WriteResult({ "nMatched" : 27, "nUpserted" : 0, "nModified" : 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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| **db.getCollection('students').update({"name": "Jonie Raby"},{$set: {"program" : "CPA"}},{multi: true})**  check :  WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })  **db.getCollection('students').find({"name" : "Jonie Raby"})**  result:  { "\_id" : 26, "name" : "Jonie Raby", "scores" : [ { "score" : 19.17861192576963, "type" : "exam" }, { "score" : 76.3890359749654, "type" : "quiz" }, { "score" : 44.39605672647002, "type" : "homework" } ], "program" : "CPA", "term" : 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.getCollection('students').find({"name" : "Jonie Raby"},{program :1,\_id: 0})**  result :  { "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.getCollection('students').update({"\_id": {$in:[20,22,24]}},{$inc: {"term" : 2}},{multi:true})**  result :  WriteResult({ "nMatched" : 3, "nUpserted" : 0, "nModified" : 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.getCollection('students').update({"term": 3},{$unset: {"term":""}},{multi : true})**  result :  WriteResult({ "nMatched" : 3, "nUpserted" : 0, "nModified" : 3 }) |