\* Create a database called 'my\_first\_db'.

>use my\_first\_db

\* Create students collection.

> db.createCollection('students')

\* Each document you insert into this collection should have the following format: ({name: STRING, home\_state: STRING, lucky\_number: NUMBER, birthday: {month: NUMBER, day: NUMBER, year: NUMBER}})

\* Create 5 students with the appropriate info.

> db.students.insert({name: 'Josh', home\_state: 'Michigan', lucky\_number: 5, birthday: [{Month: 3, Day: 22, Year: 1980}]})

> db.students.insert({name: 'Eric', home\_state: 'IL', lucky\_number: 0, birthday: [{Month: 6, Day: 2, Year: 1970}]})

> db.students.insert({name: 'JP', home\_state: 'WA', lucky\_number: 3, birthday: [{Month: 11, Day: 3, Year: 1985}]})

> db.students.insert({name: 'Bald', home\_state: 'WI', lucky\_number: 10, birthday: [{Month: 10, Day: 10, Year: 1980}]})

> db.students.insert({name: 'Jacob', home\_state: 'CA', lucky\_number: 21, birthday: [{Month: 9, Day: 20, Year: 1988}]})

\* Get all students.

> db.students.find().pretty()

\* Retrieve all students who are from California (San Jose Dojo) or Washington (Seattle Dojo).

> db.students.find( {$or: [{home\_state: {$eq: "CA"}} , {home\_state: {$eq: "WI"}}]}).pretty()

\* Get all students whose lucky number is:

\* greater than 3

> db.students.find( {lucky\_number: {$gt: 3} } ).pretty()

\* less than or equal to 10

> db.students.find( {lucky\_number: {$lte: 10} } ).pretty()

\* between 1 and 9 (inclusive)

> db.students.find( { $and: [ { lucky\_number: { $gt: 1 } }, { lucky\_number: { $lte: 9 } } ] } ).pretty()

\* Add a field to each student collection called 'interests' that is an ARRAY.  It should contain the following entries: 'coding', 'brunch', 'MongoDB'. Do this in ONE operation.

\* Add some unique interests for each particular students into each of their interest arrays.

\* Add the interest 'taxes' into someone's interest array.

\* Remove the 'taxes' interest you just added.

\* Remove all students who are from California (or Washington).

\* Remove a student by name.

\* Remove a student whose lucky number is greater than 5 (JUST ONE)

\* Add a field to each student collection called 'number\_of\_belts' and set it to 0.

\* Increment this field by 1 for all students in Washington (Seattle Dojo).

\* Rename the 'number\_of\_belts' field to 'belts\_earned'

\* Remove the 'lucky\_number' field.

\* Add a 'updated\_on' field, and set the value as the current date.

> db.students.update( { "\_id" : ObjectId("5a224270ddabf3a502187293") }, {$set: {interests: ['coding', 'brunch',' MongoDB' ] } } )