

## Part 5: Queries (Runnable on Mongo Shell)

Prerequisite:

- data in part 4 of this project is already imported locally.
- connected with mongo (ran "mongo").
- connected with the database mongoReference (ran "use mongoReference").

Query 1: Find the total number of course registration. Return result: 100

```
db.courseregistration.find({}).count()
```

Query 2: Find the total number of course student with nuid 319528189 registered (one should be counting documents for a specific user). Return result: 3

```
db.courseregistration.find({"Student.Nuid": 319528189}).count()
```

Query 3: Find course registration information for both Object-Oriented Design and "Discrete Structures" courses (one must contain a complex search criterion (more than one expression with logical connectors)).

```
db.courseregistration.find({
  "$or": [{
    "Course.CourseName": "Object-Oriented Design"
  }, {
    "Course.CourseName": "Discrete Structures"
  }]
})
```

Query 4: Update if current registration status is false, change it to true (one must be updating a document based on a query parameter (e.g. flipping on or off a boolean attribute for a document, such as enabling/disabling a song))

```
db.courseregistration.update({RegistrationStatus:false},{ $set:{RegistrationStatus:true}})
```

Query 5: Find all course numbers of Object-Oriented Design (one query must contain and aggregation)

```
db.courseregistration.aggregate([ { $match : { "Course.CourseName": "Object-Oriented Design" } }, { $group : { _id : '$Course.CourseId' } } ])
```