

# Mongo Basics



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## Connect to your Atlas cluster:

```
root@47abcfbd9ef9:/# mongosh "mongodb+srv://sandbox.aowscxq.mongodb.net/myFirstDatabase" --apiVersion 1 --username m001-student
Enter password: *****
Current Mongosh Log ID: 63516bb259027d78ebd05e51
Connecting to:      mongodb+srv://<credentials>@sandbox.aowscxq.mongodb.net/myFirstDatabase?appName=mongosh+1.6.0
Using MongoDB:      5.0.13 (API Version 1)
Using Mongosh:       1.6.0

For mongosh info see: https://docs.mongodb.com/mongodb-shell/

To help improve our products, anonymous usage data is collected and sent to MongoDB periodically (https://www.mongodb.com/legal/privacy-policy).
You can opt-out by running the disableTelemetry() command.

Atlas atlas-ciabmq-shard-0 [primary] myFirstDatabase> |
```

## Look which databases you have:

```
Atlas atlas-ciabmq-shard-0 [primary] myFirstDatabase> show dbs
sample_airbnb      52.93 MiB
sample_analytics   9.13 MiB
sample_geospatial 1.36 MiB
sample_guides      40.00 KiB
sample_mflix       47.83 MiB
sample_restaurants  6.64 MiB
sample_supplies     1.12 MiB
sample_training     55.65 MiB
sample_weatherdata  2.75 MiB
admin              364.00 KiB
local              2.20 GiB
Atlas atlas-ciabmq-shard-0 [primary] myFirstDatabase> |
```

## Use the sample\_training database. Show the available collections.

```
Atlas atlas-ciabmq-shard-0 [primary] sample_training> show collections
companies
grades
inspections
posts
routes
trips
zips
Atlas atlas-ciabmq-shard-0 [primary] sample_training> |
```

## In the grades collection, find the grades for the student 14 and class 58

```
Atlas atlas-ciabmq-shard-0 [primary] sample_training> db.grades.find({"student_id" : 14, "class_id" : 58})
[
  {
    _id: ObjectId("56d5f7eb604eb380b0d8d963"),
    student_id: 14,
    scores: [
      { type: 'exam', score: 97.64779622443494 },
      { type: 'quiz', score: 85.90634345030621 },
      { type: 'homework', score: 49.60208191429998 },
      { type: 'homework', score: 16.714829568104673 }
    ],
    class_id: 58
  }
]
Atlas atlas-ciabmq-shard-0 [primary] sample_training> |
```

Export the grades collection to a JSON file