

Connecting to the shell with:

```
mongosh "mongodb+srv://cluster0.m6ahf.mongodb.net" --apiVersion 1 --username mongouser
```

1. Using your mongo shell, list your databases, select the sample_weatherdata set, then show collections within that:

```
bin — mongosh mongodb+srv://cluster0.m6ahf.mongodb.net/ — cluster0.m6ahf.mongodb.net TERM_PROGRAM=Apple_Terminal SHELL=/bin/bash TERM=xterm-256color TMPDIR=/var/folders...
Nikitas-MacBook-Pro:bin niki$ mongosh "mongodb+srv://cluster0.m6ahf.mongodb.net" --apiVersion 1 --username mongouser
Enter password: *****
Current Mongosh Log ID: 6240d2f5273f5c209df14d7c
Connecting to:      mongodb+srv://cluster0.m6ahf.mongodb.net/?appName=mongosh+1.3.1
Using MongoDB:      5.0.6 (API Version 1)
Using Mongosh:      1.3.1

For mongosh info see: https://docs.mongodb.com/mongosh-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-sshzsl-shard-0 [primary] test> db
test
Atlas atlas-sshzsl-shard-0 [primary] test> show dbs
admin      381 kB
local      7.37 GB
Atlas atlas-sshzsl-shard-0 [primary] test> show dbs;
sample_airbnb      55 MB
sample_analytics    9.6 MB
sample_geospatial  2.32 MB
sample_guides       41 kB
sample_mflix        49.1 MB
sample_restaurants  6.97 MB
sample_supplies     1.2 MB
sample_training     60.9 MB
sample_weatherdata  2.94 MB
admin               381 kB
local               7.37 GB
Atlas atlas-sshzsl-shard-0 [primary] test> use sample_weatherdata;
switched to db sample_weatherdata
Atlas atlas-sshzsl-shard-0 [primary] sample_weatherdata> show collections;
data
Atlas atlas-sshzsl-shard-0 [primary] sample_weatherdata> db.data.find();
[
  {
    _id: ObjectId("5553a998e4b02cf7151190b8"),
    st: 'x+47600-047900',
    ts: ISODate("1984-03-05T13:00:00.000Z"),
    position: { type: 'Point', coordinates: [ -47.9, 47.6 ] },
    elevation: 9999,
    callletters: 'VCSZ',
    qualityControlProcess: 'V020',
  }
]
```

Showing the Completion of Exercise 1, with the inserted document being found using search and it's object ID:

6. Finally, using the code below insert a new document. After insertion, can you retrieve this document?

```
[... ]};
Browserslist: caniuse-lite is outdated. Please run:
  npx browserslist@latest --update-db
  Why you should do it regularly: https://github.com/browserslist/browserslist#browsers-data-updating
{
  acknowledged: true,
  insertedId: ObjectId("6248d88676e322d1e3848df5")
}
Atlas atlas-sshzsl-shard-0 [primary] sample_weatherdata> db.data.find().sort({_id:-1}).limit(1);
[
  {
    _id: ObjectId("6248d88676e322d1e3848df5"),
    st: 'x+85680-124080',
    ts: ISODate("1984-03-07T13:00:00.000Z"),
    position: { type: 'Point', coordinates: [ -124, 85.6 ] },
    elevation: 8787,
    callletters: 'R08Z',
    qualityControlProcess: 'V020',
    dataSource: '3',
    type: 'FM-13',
    airTemperature: { value: -22.9, quality: '1' },
    dewPoint: { value: -24.9, quality: '1' },
    pressure: { value: 1000.2, quality: '1' },
    wind: {
      direction: { angle: 270, quality: '1' },
      type: 'N',
      speed: { rate: 7, quality: '1' }
    },
    visibility: {
      distance: { value: 7000, quality: '1' },
      variability: { value: 'N', quality: '9' }
    },
    skyCondition: { ceilingHeight: { value: 760, quality: '1', determination: 'C' } }
  }
]
Atlas atlas-sshzsl-shard-0 [primary] sample_weatherdata> db.data.find(ObjectId("6248d88676e322d1e3848df5")).pretty()
[
  {
    _id: ObjectId("6248d88676e322d1e3848df5"),
    st: 'x+85680-124080',
    ts: ISODate("1984-03-07T13:00:00.000Z"),
    position: { type: 'Point', coordinates: [ -124, 85.6 ] },
    elevation: 8787,
    callletters: 'R08Z',
    qualityControlProcess: 'V020',
    dataSource: '3',
    type: 'FM-13',
    airTemperature: { value: -22.9, quality: '1' },
    dewPoint: { value: -24.9, quality: '1' },
    pressure: { value: 1000.2, quality: '1' },
    wind: {
      direction: { angle: 270, quality: '1' },
      type: 'N',
      speed: { rate: 7, quality: '1' }
    },
    visibility: {
      distance: { value: 7000, quality: '1' },
      variability: { value: 'N', quality: '9' }
    },
    skyCondition: { ceilingHeight: { value: 760, quality: '1', determination: 'C' } }
  }
]
Atlas atlas-sshzsl-shard-0 [primary] sample_weatherdata> █
```