Audrey Himes

Mongo Lab – Exercise 1 RESULTS

2.

```
Atlas atlas-yv2oi4-shard-0 [primary] myFirstDatabase> show dbs
[sample_airbnb          55 MB
sample_analytics       9.6 MB
sample_geospatial      1.43 MB
sample_guides           41 kB
sample_mflix            50 MB
sample_restaurants     6.96 MB
sample_supplies        1.17 MB
sample_training        52.7 MB
sample_weatherdata     2.93 MB
admin                  340 kB
local                  1.39 GB
Atlas atlas-yv2oi4-shard-0 [primary] myFirstDatabase> use sample_weatherdata
[switched to db sample_weatherdata
Atlas atlas-yv2oi4-shard-0 [primary] sample_weatherdata> show collections
[data
```

3.

audreyhimes — mongosh mongodb+srv://cluster0.y9p59.mongodb.net/myFirstDatabase — myFirstDatabase PATH=/u...

```
    dataSource: '4',
    type: 'FM-13',
    airTemperature: { value: 999.9, quality: '9' },
    dewPoint: { value: 999.9, quality: '9' },
    pressure: { value: 9999.9, quality: '9' },
    wind: {
      direction: { angle: 270, quality: '1' },
      type: 'N',
      speed: { rate: 7.7, quality: '1' }
    },
    visibility: {
      distance: { value: 10000, quality: '1' },
      variability: { value: 'N', quality: '9' }
    },
    skyCondition: {
      ceilingHeight: { value: 22000, quality: '1', determination: 'C' },
      cavok: 'N'
    },
    sections: [ 'AG1', 'AY1', 'GF1', 'MW1' ],
    precipitationEstimatedObservation: { discrepancy: '2', estimatedWaterDepth: 0 },
    pastWeatherObservationManual: [
      {
        atmosphericCondition: { value: '0', quality: '1' },
        period: { value: 6, quality: '1' }
      }
    ],
    skyConditionObservation: {
      totalCoverage: { value: '04', opaque: '99', quality: '1' },
      lowestCloudCoverage: { value: '99', quality: '9' },
      lowCloudGenus: { value: '99', quality: '9' },
      lowestCloudBaseHeight: { value: 99999, quality: '9' },
      midCloudGenus: { value: '99', quality: '9' },
      highCloudGenus: { value: '99', quality: '9' }
    },
    presentWeatherObservationManual: [ { condition: '02', quality: '1' } ]
  }
]
Type "it" for more
Atlas atlas-yv2oi4-shard-0 [primary] sample_weatherdata> db.data.find().count()
(node:66999) [MONGODB DRIVER] Warning: cursor.count is deprecated and will be removed in the next major version, pleas
e use `collection.estimatedDocumentCount` or `collection.countDocuments` instead
(Use `node --trace-warnings ...` to show where the warning was created)
10000
Atlas atlas-yv2oi4-shard-0 [primary] sample_weatherdata>
```

4.

```
[Atlas atlas-yv2oi4-shard-0 [primary] sample_weatherdata> db.data.find({"skyCondition.ce
ilingHeight.value":750}).count()
  673
```

5.

```
Atlas atlas-yv2oi4-shard-0 [primary] sample_weatherdata> db.data.find(ObjectId("5553a998e4b02cf7151195d3")).pretty()
[
  {
    _id: ObjectId("5553a998e4b02cf7151195d3"),
    st: 'x+85600-124000',
    ts: ISODate("1984-03-05T15:00:00.000Z"),
    position: { type: 'Point', coordinates: [ -124, 85.6 ] },
    elevation: 9999,
    callLetters: 'ROBB',
    qualityControlProcess: 'V020',
    dataSource: '4',
    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: 750, quality: '1', determination: 'C' },
      cavok: 'N'
    },
    sections: [ 'AG1', 'AY1', 'GF1', 'MA1', 'MD1', 'MW1' ],
    precipitationEstimatedObservation: { discrepancy: '2', estimatedWaterDepth: 1 },
    pastWeatherObservationManual: [
      {
        atmosphericCondition: { value: '7', quality: '1' },
        period: { value: 3, quality: '1' }
      }
    ],
    skyConditionObservation: {
      totalCoverage: { value: '08', opaque: '99', quality: '1' },
      lowestCloudCoverage: { value: '08', quality: '1' },
      lowCloudGenus: { value: '05', quality: '1' },
      lowestCloudBaseHeight: { value: 800, quality: '1' },
      midCloudGenus: { value: '99', quality: '9' },
      highCloudGenus: { value: '99', quality: '9' }
    },
    atmosphericPressureObservation: {
      altimeterSetting: { value: 9999.9, quality: '9' },
      stationPressure: { value: 1000.2, quality: '1' }
    },
    atmosphericPressureChange: {
      tendency: { code: '2', quality: '1' },
      quantity3Hours: { value: 0.7, quality: '1' },
      quantity24Hours: { value: 99.9, quality: '9' }
    },
```

6.

```
{
  acknowledged: true,
  insertedId: ObjectId("62410046e5c85467c5ce1d98")
}
[Atlas atlas-yv2oi4-shard-0 [primary] sample_weatherdata> db.data.find(ObjectId("62410046
e5c85467c5ce1d98")).pretty()
[
  {
    _id: ObjectId("62410046e5c85467c5ce1d98"),
    st: 'x+85600-124000',
    ts: ISODate("1984-03-07T13:00:00.000Z"),
    position: { type: 'Point', coordinates: [ -124, 85.6 ] },
    elevation: 8787,
    callLetters: 'ROBZ',
    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-yv2oi4-shard-0 [primary] sample_weatherdata>
```