

Lab Assignment 5

- ❑ Sign up for MongoDB Atlas free tier via this link using your Merrimack Email and Merrimack College as the organization: [MongoDB Atlas | MongoDB](#)
- ❑ Verify your email and sign into MongoDB Atlas.
- ❑ Click Build a Database and select the M0 Free tier.
 - ❑ Setup your user credentials and store your password for later use.
 - ❑ Select My Local Environment for your connection settings.
 - ❑ Ensure your IP address has been added to your access list, Mongo should be able to determine your IP automatically.
- ❑ Click Browse Collections and then Load a Sample Dataset.
- ❑ After the data has been loaded select the sample_airbnb dataset and run the following query.
 - ❑ `{bedrooms:{$gte:10}}`
 - ❑ How many AirBNBs are there in the results? **4**
 - ❑ What is the ID of the AirBNB with the most bedrooms? **20701559**
 - ❑ Submit a screenshot of the document with the most bedrooms.

Line	Code	Type
1	<code>_id: "20701559"</code>	String
2	<code>listing_url: "https://www.airbnb.com/rooms/20701559"</code>	String
3	<code>name: "Venue Hotel Old City"</code>	String
4	<code>summary: "Venue Hotel is set in the Fatih district in Istanbul, 200 metres fr"</code>	String
5	<code>space: "</code>	String
6	<code>description: "Venue Hotel is set in the Fatih district in Istanbul, 200 metres fr"</code>	String
7	<code>neighborhood_overview: "</code>	String
8	<code>notes: "</code>	String
9	<code>transit: "</code>	String
10	<code>access: "</code>	String
11	<code>interaction: "</code>	String
12	<code>house_rules: "</code>	String
13	<code>property_type: "Boutique hotel"</code>	String
14	<code>room_type: "Private room"</code>	String
15	<code>bed_type: "Real Bed"</code>	String
16	<code>minimum_nights: "1"</code>	String
17	<code>maximum_nights: "1129"</code>	String
18	<code>cancellation_policy: "flexible"</code>	String
19	<code>last_scraped: 2019-02-18T05:00:00.000+00:00</code>	Date
20	<code>calendar_last_scraped: 2019-02-18T05:00:00.000+00:00</code>	Date
21	<code>first_review: 2018-05-20T04:00:00.000+00:00</code>	Date
22	<code>last_review: 2018-12-16T05:00:00.000+00:00</code>	Date
23	<code>accommodates: 15</code>	Int32
24	<code>bedrooms: 20</code>	Int32
25	<code>beds: 25</code>	Int32
26	<code>number_of_reviews: 3</code>	Int32
27	<code>bathrooms: 16.0</code>	Decimal128
28	<code>amenities: Array (17)</code>	Array
29	<code>price: 227.00</code>	Decimal128
30	<code>security_deposit: 0.00</code>	Decimal128
31	<code>cleaning_fee: 0.00</code>	Decimal128
32	<code>extra_people: 131.00</code>	Decimal128
33	<code>guests_included: 2</code>	Decimal128
34	<code>images: Object</code>	Object
35	<code>host: Object</code>	Object
36	<code>address: Object</code>	Object
37	<code>availability: Object</code>	Object
38	<code>review_scores: Object</code>	Object
39	<code>reviews: Array (3)</code>	Array

- ☒ Click Connect, then select Drivers
 - ☒ Select Python
 - ☒ Follow the instructions to install pymongo in your python environment
 - ☒ Use the sample code and populate the connection string variable with the string provided in the Mongo Connect/Drivers template
 - ☒ Execute the code from the lab_q6code.py file
 - ☒ What type of cuisine is the restaurant? **Delicatessen**
 - ☒ What is the object type? (execute the last line of code): **dictionary**
 - ☒ Take a screenshot of the printed nordic object from console

The screenshot shows the Spyder Python IDE interface. The left pane displays the code in `lab_q6code.py`, which connects to a MongoDB instance and queries a restaurant document. The right pane shows the Variable Explorer with the following data:

Name	Type	Size	Value
client	mongo_client.MongoClient	1	MongoClient object of pymongo.mongo_client module
connect_string	str	98	mongodb+srv://suesusman:SVn1tXksmuqKJe@cluster0.no2nrra.mongodb.net/...
nordic	dict	7	{'_id': ObjectId, 'address': {'building': '6909', 'coord': [...], 'street': ...}}
restaurants_db	database.Database	1	Database object of pymongo.database module

The bottom pane shows the IPython Console with the following execution history:

```
In [5]:  
...: rest_coll = restaurants_db["restaurants"]  
  
In [6]:  
...: nordic = rest_coll.find_one({"name": "Nordic Delicacies"})  
  
In [7]:  
...: type(nordic)  
Out[7]: dict  
  
In [8]:
```

The status bar at the bottom indicates the environment is `conda: base (Python 3.11.5)` and the file is `main [57]` at `Line 27, Col 13`.