

CAS 412 MEAN PS5: Mongo Puzzles

For each problem, copy the command that you used into the corresponding PDF text box.

P1. Select all of the restaurants in Manhattan.

Solution:

```
db.restaurants.find({"borough": "Manhattan"});
```

P2. Select all of the restaurants in Manhattan, but only display the name of the restaurant and its type of cuisine.

Solution:

```
db.restaurants.find({}, {"borough": "Manhattan", "name": 1, "cuisine": 1});
```

P3. Select all of the restaurants in Manhattan with a sanitation grade of 'A'

Solution:

```
db.restaurants.find({"borough": "Manhattan", "grade": "A"});
```

P4. Find the number of restaurants (just the number) in the database that are located in Manhattan.

Solution:

```
db.restaurants.find({"borough": "Manhattan"}).count()
```

P5. Find the number of restaurants (just the number) in the database that are located either in Manhattan or in Queens.

Solution:

```
db.restaurants.find({"borough": ["Manhattan", "Queens"]}).count()
```

P6. Update the Lexler Deli and change its address to 111 Short Street in Bronx. You can leave the zip code and lat/long coordinates alone.

Solution:

```
db.restaurants.update(  
  { name: "Lexler Deli" },  
  {  
    $set: { address: "111 Short Street in Bronx" }  
  }  
)
```

P7. Insert a new restaurant with the following data: Name: Maggie's Hideaway
Address: 1234 Commonwealth Ave, Boston MA 02215 Cuisine: Comfort

Solution:

```
db.restaurants.insert( [{ name: "Maggie's Hideaway ", address: "1234 Commonwealth Ave,  
Boston MA 02215", cuisine: "Comfort" }]);
```

P8: Find all restaurants on Wall Street; sort them by score.

Solution:

```
db.restaurants.find({ "street": "Wall Street", }).sort({ "score": -1 });
```

P9: Find all restaurants on Wall Street; sort them by score. Display only the name and score.

Solution:

```
db.restaurants.find({ "street": "Wall Street", "name": 1, "score": 1 }).sort({ "score": -1 });
```

P10 (no points, just for fun): Using the same method you used to load the sample restaurants database, load the collection at <https://raw.githubusercontent.com/mongodb/docs-assets/geospatial/restaurants.json> into the 'test' db, in a collection named geo.

Next, find the number of restaurants that are within a 1-mile radius of Morris Park Bake Shop. Copy and paste the lat/long of the bake shop rather than constructing a query to insert the lat/long.