**MongoDB JSON Queries**

Queries are issued as JSON documents. Command is db.*collection*.find(*query*). The *collection* should be the name of a collection in the database. *query* should be a JSON document like these:

{} Find everything

{first: “Rebecca”} Find where first name is Rebecca

{state: “DC”} Find where state is DC

{state: “DC”, children: 0} “AND” query

{$or: [{state: “DC”}, {children: 0}]} “OR” query (can also use $and, $not)

{state: {$in: [“DC”, “TX”]} “IN” query (similar to OR on same field)

Also $nin is available (not in).

{children: {$gt: 0}} relational operators: $lt, $gt,

$lte, $gte, $eq, $ne

{first: /^R/} Regular expression (starts with R)

{dob: /1985/} Regular expression (contains 1985)

**Projection:**Command is db.*collection*.find(*query, selection*). *selection* should be a JSON document that specifies which fields you want in your document. Set each field to 1 or 0 (1 = selected, 0 = not selected).

{first: 1} OR {first: 1, state: 1} OR {first: 1, state: 1, \_id: 0}

Example: db.addresses.find({state: "DC"}, {first: 1}) – Find first names of people who live in DC.  
 **Nested values:**

{"name.first": "Sherrod"} Query on nested field

{“bio.birthday”: /1952/}

**Match in an array:**

{ "terms": { $elemMatch: { state: "OH" } } }