

In this lecture, we will discuss...

- ✧ `replace_one`
- ✧ `update_one`
- ✧ `update_many`
- ✧ `delete_one`
- ✧ `delete_many`
- ✧ `upsert`



replace_one

- ✧ `replace_one` – **Replace** a document in the collection according to the **specified parameters**
- ✧ `db[:zips].insert_one(:_id => "100", :city => "citytemp", :loc => [-76.059227000000001, 39.564894], :pop => 4678, :state => "MD")`
- ✧ `db[:zips].find(:_id => "100").replace_one(:_id => "100", :city => "city02", :loc => [-78.22, 36.22], :pop => 2000, :state => "MD")`
- ✧ `db[:zips].find(:_id => "100").to_a`



update_one

- ✧ `update_one` – **Update** a **single** document in the collection according to the **specified arguments**
- ✧ `db[:zips].find(:_id => "100").update_one(:$set => {:city => "name2"})`
- ✧ `db[:zips].find(:_id => "100").to_a`



update_many

- ✧ `update_many` – Updates single or multiple documents in the collection according to the specified arguments
- ✧ `db[:zip].find(:state => 'MD').count`
- ✧ `db[:zip].find(:state => 'MD').update_many(:$set => {:state => 'XX'})`
- ✧ `db[:zip].find(:state => 'MD').count`
- ✧ `db[:zip].find(:state => 'XX').count`



delete_one

- ✧ `delete_one` – will **delete** a **single** document in the collection according to the **specified arguments**
- ✧ `db[:zip].find(:city => 'name2').count`
- ✧ `db[:zip].find(:city => 'name2').delete_one()`
- ✧ `db[:zip].find(:city => 'name2').count`



delete_many

- ✧ `delete_many` – deletes single or multiple documents in the collection according to the specified arguments
- ✧

```
db[:zip].find(:state => 'MD')  
  .delete_many()
```

upsert

- ✧ If upsert is **true** and **no** document matches the query criteria, update() inserts a **single** document.
- ✧ `db[:zip].find(:city => "ODENVILLE1").count`
- ✧ `db[:zip].find(:city => "ODENVILLE2").count`
- ✧ `db[:zip].find(:city => "ODENVILLE1").update_one({:$set => {:city => "ODENVILLE2"}}, :upsert => true)`
- ✧ `db[:zip].find(:city => "ODENVILLE1").count`
- ✧ `db[:zip].find(:city => "ODENVILLE2").count`



Summary

- ✧ `update` and `delete` (one or many) provides access to update and delete one or many documents in the collection

What's Next?

- ✧ Module 3 – Integrating access to MongoDB from Rails

