The MONGO & SQL Comparision

SQL Statement	Mongo Statement
CREATE TABLE USERS (a Number, b Number)	db.createCollection("mycoll")
INSERT INTO USERS VALUES(3,5)	db.users.insert({a:3,b:5})
SELECT a,b FROM users	db.users.find({}, {a:1,b:1})
SELECT * FROM users	db.users.find()
SELECT * FROM users WHERE age=33	db.users.find({age:33})
SELECT a,b FROM users WHERE age=33	db.users.find({age:33}, {a:1,b:1})
SELECT * FROM users WHERE age=33 ORDER BY name	db.users.find({age:33}).sort({name:1})
SELECT * FROM users WHERE age>33	db.users.find({age:{$gt:33}})
SELECT * FROM users WHERE age!=33	db.users.find({age:{$ne:33}})
SELECT * FROM users WHERE name LIKE "%Joe%"	db.users.find({name:/Joe/})
SELECT * FROM users WHERE name LIKE "Joe%"	db.users.find({name:/^Joe/})
SELECT * FROM users WHERE age>33 AND age<=40	db.users.find({'age':{$gt:33,$lte:40}})
SELECT * FROM users ORDER BY name DESC	db.users.find().sort({name:-1})
SELECT * FROM users WHERE a=1 and b='q'	db.users.find({a:1,b:'q'})
SELECT * FROM users LIMIT 10 SKIP 20	db.users.find().limit(10).skip(20)
SELECT * FROM users WHERE a=1 or b=2	db.users.find({ $or : [{ a : 1 } , { b : 2 }] })

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SELECT * FROM users LIMIT 1                    db.users.findOne()


SELECT DISTINCT last_name FROM users           db.users.distinct('last_name')

SELECT COUNT(*y) FROM users                    db.users.count()

SELECT COUNT(*y) FROM users where              db.users.find({age: {'$gt':
AGE > 30                                       30}}).count()

                                               db.users.find({age: {'$exists':
SELECT COUNT(AGE) from users                   true}}).count()



CREATE INDEX myindexname ON users(name)  db.users.ensureIndex({name:1})

CREATE INDEX myindexname ON
users(name,ts DESC)                            db.users.ensureIndex({name:1,ts:-1})



EXPLAIN SELECT * FROM users WHERE z=3     db.users.find({z:3}).explain()



                                               db.users.update({b:'q'}, {$set:{a:1}}, false,
UPDATE users SET a=1 WHERE b='q'               true)

                                               db.users.update({b:'q'}, {$inc:{a:2}}, false,
UPDATE users SET a=a+2 WHERE b='q'             true)



DELETE FROM users WHERE z="abc"                db.users.remove({z:'abc'});
```