

5.1 MongoDB Commands Part 1:

- 1) `db.people.find()`
- 2) `db.people.countDocuments()`
- 3) `db.people.find({state: 'Arizona'})`
- 4) `db.people.find({state: 'Arizona', gender: 'Male'})`
- 5) `db.people.find({ $or: [
 { state: 'New Mexico'},
 { state: 'Arizona'}
]})`
- 6) `db.people.find({age: { $lt: 40}})`
- 7) `db.people.find({ $and: [
 {age: { $lte: 45}},
 {age: { $gte: 40}}
], state: 'Florida', gender: 'Female'})`
- 8) `db.people.find({first_name: /^H/})`
- 9) `db.people.find({state: 'Michigan'}).sort({first_name: 1})`
- 10) `db.people.find({ $or: [
 {state: 'Virginia'},
 {first_name: 'Virginia'}
]})`
- 11) `db.people.find({age: { $lte: 30}}, {first_name: true, last_name: true})`
- 12) `db.people.find({state: 'Montana'}, {age: false})`
- 13) `db.people.find({"email": /\.edu$/}, {"email": 1})`
- 14) `db.people.countDocuments({$and: [
 {'children.0': {$exists: true}},
 {children: {$elemMatch:{age: {$lt: 4}}}}
]})`
- 15) `db.people.find({children: []})`
- 16) `db.people.find({'children.0': {$exists:true}})`