**MongoDB assignment 2**

**Atlanta Population**

1. db.zipcodes.find({$and: [ {city:{$eq:”ATLANTA”}}, {state:{$eq: “GA”}}]})
2. db.zipcodes.aggregate([{$match: {$and:[ {city: “ATLANTA”, state: “GA”}]} ])
3. db.zipcodes.aggregate([{$group: {\_id: “ATLANTA”, count: {$sum:1}}}])
4. db.zipcodes.aggregate([{$group: {city: “ATLANTA”}}, {$count: “\_id”}])

**Populations by State**

1. db.zipcodes.aggregate([{$group: {\_id: “$state” , population:{$sum: “$pop”}}}])
2. db.zipcodes.aggregate([{$sort: {pop: -1}}])
3. db.zipcodes.find({}).sort({“pop”: -1}).limit(3)

**Populations by city**

1. db.zipcodes.aggregate([{$group: {\_id: “$city”, total:{$sum:”$pop”}}}])
2. db.zipcodes.aggregate([{$group: {\_id: “$city”, total:{$sum:”$pop”}}}, {$sort:{total:-1}}])
3. db.zipcodes.aggregate([{$group: {\_id: “$city”, total:{$sum:”$pop”}}}, {$sort:{total:-1}}, {$limit:3}])
4. db.zipcodes.aggregate([{$group: {\_id: “$state.Texas.city”, total:{$sum:”$pop”}}}, {$sort:{total:-1}}, {$limit:3}])