mongoimport --db population --collection zipcodes --file "C:\Users\kkurhade\Desktop\data\zips.json

**Atlanta Population**

1 . db.zipcodes.find({$and:[{city:"ATLANTA"},{state: "GA"}]})

2. db.zipcodes.aggregate([{$match:{$and:[{city:"ATLANTA"},{state: "GA"}]}}])

3. db.zipcodes.aggregate([{$match:{city:"ATLANTA"}},{$group:{\_id:null,count:{$sum:1}}}])

4. db.zipcodes.aggregate([{$group:{\_id:{city: "ATLANTA" },totalPop:{$sum: "$pop"}}}]);

**Populations By State**

1. db.zipcodes.aggregate([{$group:{ \_id: "$state",totalPop:{$sum:"$pop"}}}])

2. db.zipcodes.aggregate([{$group:{ \_id: "$state",totalPop:{$sum:"$pop"}}},{$sort:{"totalPop":-1}}])

3. db.zipcodes.aggregate([{$group:{ \_id: "$state",totalPop:{$sum:"$pop"}}},{$sort:{"totalPop":-1}},{$limit:1}])

1. db.zipcodes.aggregate([{$group:{ \_id: {city:"$city",state:"$state"},totalPop:{$sum:"$pop"}}}])

2.db.zipcodes.aggregate([{$group:{\_id:{city:"$city",state:"$state"},totalPop:{$sum:"$pop"}}},{$sort:{"totalPop":-1}},{$limit:1}])

3.db.zipcodes.aggregate([{$group:{\_id:{city:"$city",state:"$state"},totalPop:{$sum:"$pop"}}},{$sort:{"totalPop":-1}},{$limit:3}])

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

**Bonus**

1.db.zipcodes.aggregate([{$group:{ \_id: {city:"$city",state:"$state"},avgPop:{$avg:"$pop"}}}])

2.db.zipcodes.aggregate([{$group:{\_id:{city:"$city",state:"$state"},avgpop:{$avg:"$pop"}}},{$sort:{avgpop : -1}},{$limit :3}])

1. db.getCollection('addresses').find({})

2. db.getCollection('addresses').find({},{restaurant\_id:1,name:1,borough:1,cuisine:1})

3. db.getCollection('addresses').find({},{restaurant\_id:1,name:1,borough:1,cuisine:1,\_id:0})

4. db.getCollection('addresses').find({},{restaurant\_id:1,name:1,borough:1,\_id:0,"address.zipcode":1})

5. db.addresses.find({"borough" : "Bronx"}).limit(5).pretty()

6. db.addresses.find({"borough" : "Bronx"}).pretty()

7. db.addresses.find({"borough" : "Bronx"}).skip(5).pretty()

8. db.addresses.find({"grades.score" : {$gt : 90}}).pretty()

9. db.addresses.find({"grades.score" : {$gt : 80,$lt:100}}).pretty()

10. db.addresses.find({"address.coord" : {$lt :-95.754168}}).pretty()

11. db.addresses.find({ $and:[{ "cuisine" :{$ne : "American "}},{"grades.score" :{$gt :70}},{"address.coord" :{$lt :-65.754168}}]}).pretty()

12. db.addresses.find({ $and:[{ "cuisine" :{$ne : "American "}},{"grades.score" :{$gt :70}},{"address.coord" :{$lt :-65.754168}}]}).pretty()

13.