Atlanta poopulation

Q1.find

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

Q2.

db.zipcodes.aggregate([{$group:{\_id:{city:"ATLANTA",state:"GA"}}}])

Q3. db.zipcodes.aggregate([{$match:{"city":"ATLANTA"}},{$group:{\_id:"$city",count:{$sum:1}}}])

Q4.

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

Population by State

Q1.

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

Q2.

db.zipcodes.aggregate([

{$group:{\_id:{state:$ "state"},pop:{$sum: "$pop"}}},{$sort:{pop:-1}} ])

Q3

db.zipcodes.aggregate([

{$group:{\_id:{state: "$state"},pop:{$sum: "$pop"}}},{$sort:{pop:-1}},{$limit:3} ])

Population by city

Q1

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

Q2.

db.zipcodes.agrregate([ {$group:{\_id:{state:"$state",city:"$city"},pop: {$sum:"$pop" }}}, {$sort:{ pop : -1}} ]}

Q3

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

Q4.

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

BONUS

Q1.

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

Q2.

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