Aggregation Assignment by Devesh Chaudhary

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"}},{$group:{_id:"$pop"}},{$count:"totl zip codes"}
])
4)db.zipcodes.aggregate([
{$group:{_id:"$city",count:{$sum:"$pop"}}},{$match:{_id:"ATLANTA"}}])

State Population:

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:3}
])
Top 3 states in population=>WY, AK, VT

City Population:

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"}}},

{$sort:{totalPop: -1}}
])
3)db.zipcodes.aggregate([
{$group:{_id:{city:'$city', state: '$state' }, totalPop:{$sum:"$pop"}}},
{$sort:{totalPop: -1}},
{$limit:3}
])
Top 3 cities in population=>CHICAGO, BROOKLYN, LOS ANGELES
4)1.db.zipcodes.aggregate([{$match:{state:"TX"}},{$sort:{pop:1}},{$limit:3}])