**Assignment-2**

1. MongoDB Enterprise atlas-p5qr6z-shard-0:PRIMARY> db.zipcode.find({city:"ATLANTA", state:"GA"})
2. MongoDB Enterprise atlas-p5qr6z-shard-0:PRIMARY> db.zipcode.aggregate([{$match: {city:"ATLANTA",state:"GA"}}])
3. MongoDB Enterprise atlas-p5qr6z-shard-0:PRIMARY> db.zipcode.aggregate([{$group: {\_id:"$city"}},{$count:"ATLANTA"}])

{ "ATLANTA" : 16584 }

1. MongoDB Enterprise atlas-p5qr6z-shard-0:PRIMARY> db.zipcode.aggregate([{$match:{city:"ATLANTA"}},{$group: {\_id:"$city", totalPop:{$sum:"$pop"}}}])

{ "\_id" : "ATLANTA", "totalPop" : 630046 }

1. MongoDB Enterprise atlas-p5qr6z-shard-0:PRIMARY> db.zipcode.aggregate([{$group: {\_id:"$state", totalPop:{$sum:"$pop"}}}])
2. MongoDB Enterprise atlas-p5qr6z-shard-0:PRIMARY> db.zipcode.aggregate([{$group: {\_id:"$state", totalPop:{$sum:"$pop"}}},{$sort:{totalPop:-1}}])
3. MongoDB Enterprise atlas-p5qr6z-shard-0:PRIMARY> db.zipcode.aggregate([{$group: {\_id:"$state", totalPop:{$sum:"$pop"}}},{$sort:{totalPop:-1}},{$limit:3}])
4. MongoDB Enterprise atlas-p5qr6z-shard-0:PRIMARY> db.zipcode.aggregate([{$group: {\_id:{city:"$city",state:"$state"}, totalPop:{$sum:"$pop"}}},{$sort:{totalPop:-1}}])
5. MongoDB Enterprise atlas-p5qr6z-shard-0:PRIMARY> db.zipcode.aggregate([{$group: {\_id:{city:"$city",state:"$state"}, totalPop:{$sum:"$pop"}}},{$sort:{totalPop:-1}},{$sort:{totalPop:-1}}])
6. MongoDB Enterprise atlas-p5qr6z-shard-0:PRIMARY> db.zipcode.aggregate([{$group: {\_id:{city:"$city",state:"$state"}, totalPop:{$sum:"$pop"}}},{$sort:{totalPop:-1}},{$sort:{totalPop:-1}},{$limit:3}])
7. MongoDB Enterprise atlas-p5qr6z-shard-0:PRIMARY> db.zipcode.aggregate([{$group: {\_id:"$city", totalPop:{$avg:"$pop"}}}])
8. MongoDB Enterprise atlas-p5qr6z-shard-0:PRIMARY> db.zipcode.aggregate([{$group: {\_id:"$city", totalPop:{$avg:"$pop"}}},{$sort:{totalPop:-1}},{$limit:3}])