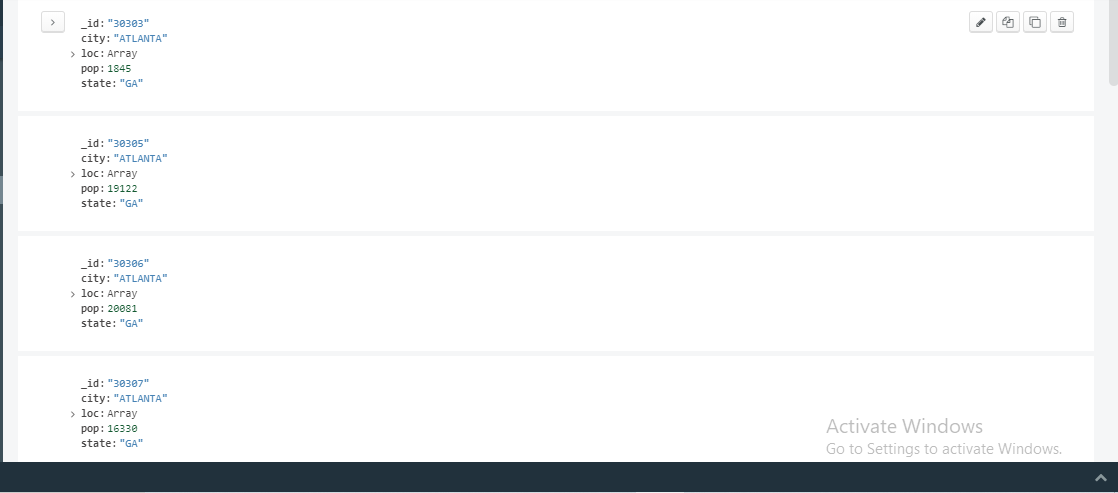
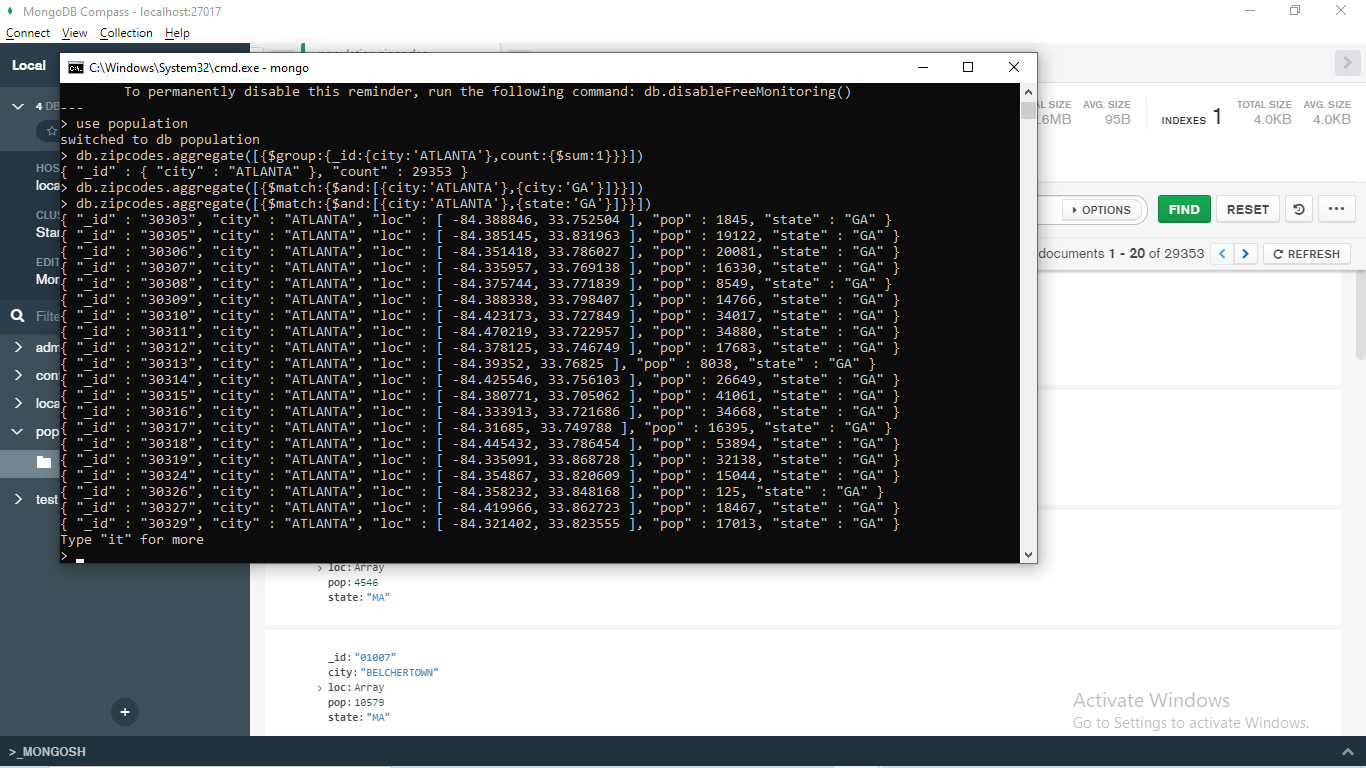
**ATLANATA POPULATION**

1. **Db.zipcodes.find({$and:[{city:'ATLANTA'},{state:'GA'}]})**

****

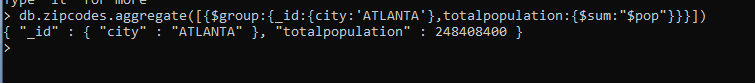
**2. db.zipcodes.aggregate([{$match:{$and:[{city:'ATLANTA'},{state:'GA'}]}}])**

****

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

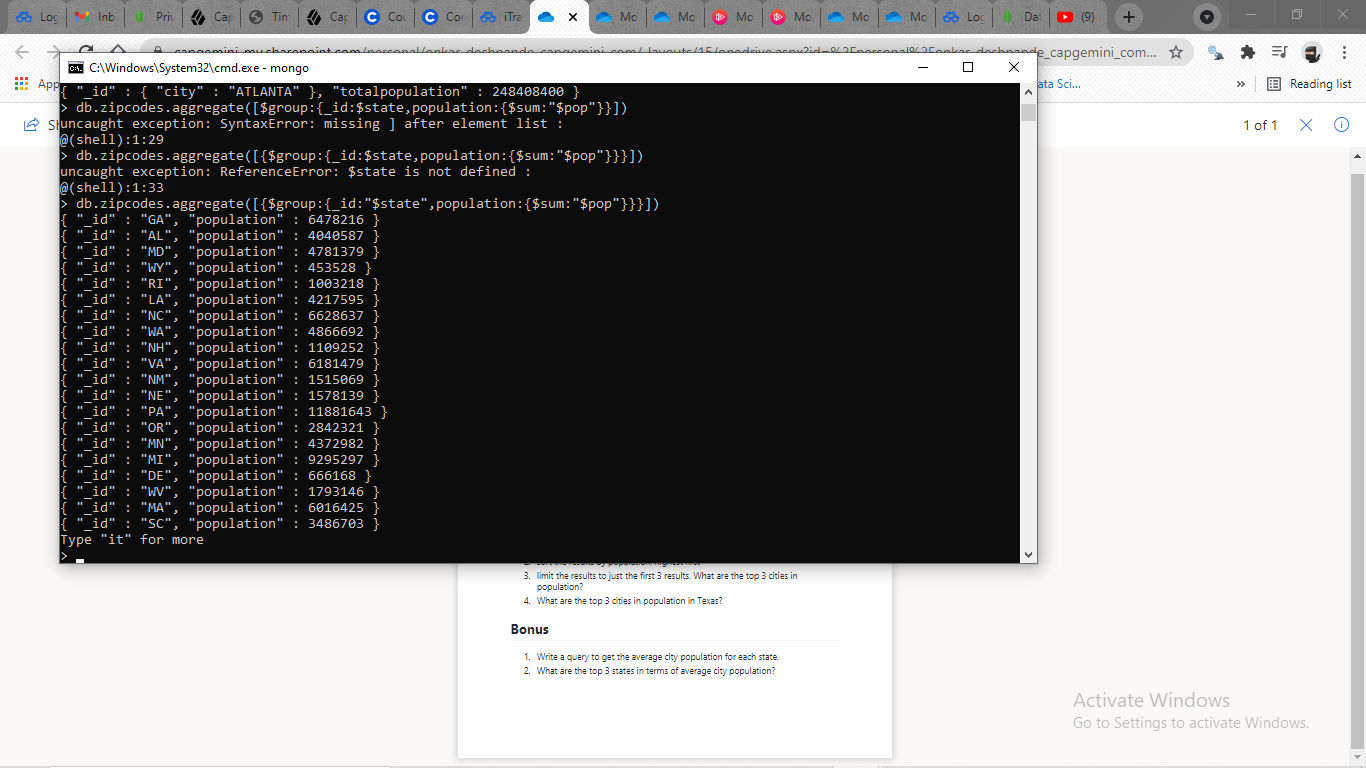
**Screenshot (68).png**

**4. { "\_id" : { "city" : "ATLANTA" }, "totalpopulation" : 248408400 }**

****

**POPULATION BT STATE**

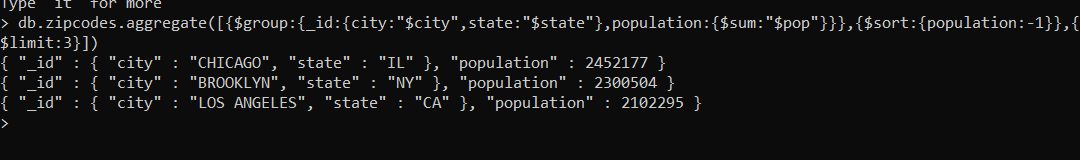
1. **db.zipcodes.aggregate([{$group:{\_id:"$state",population:{$sum:"$pop"}}}])**

****

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

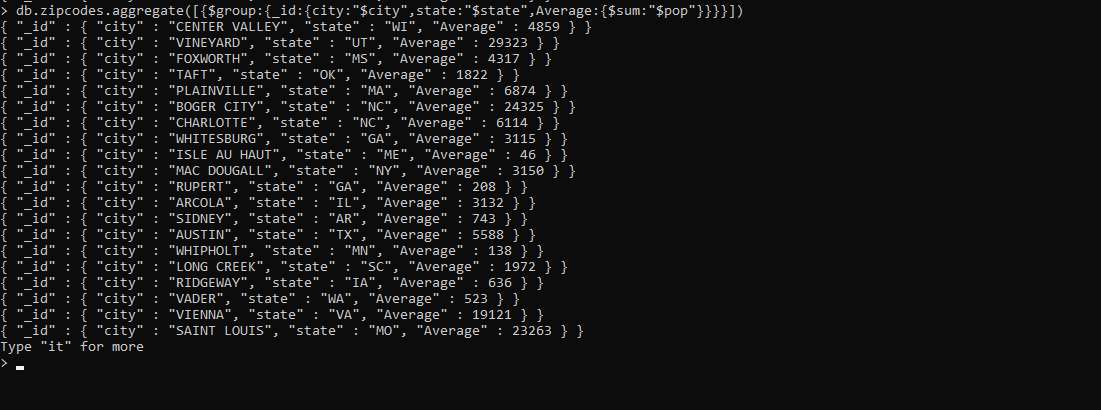
****

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

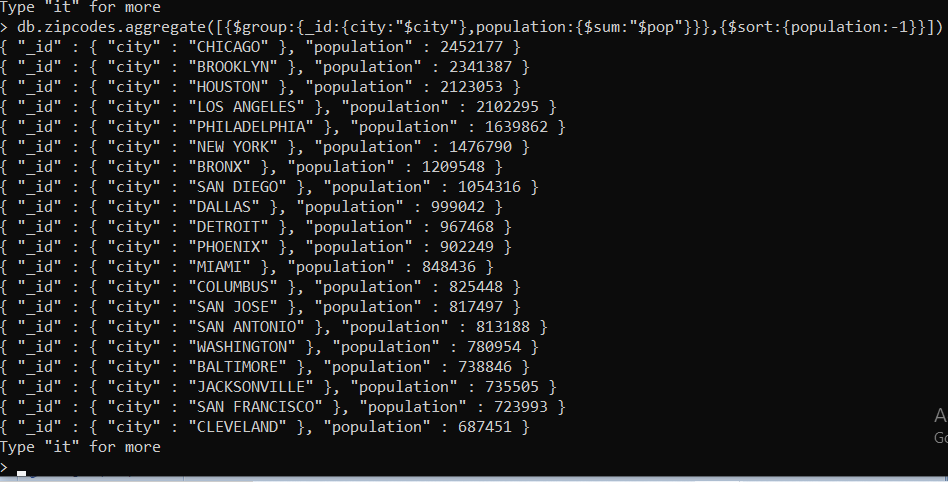
****

**POPULATION BY CITY**

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

****

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

****

**3.**

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

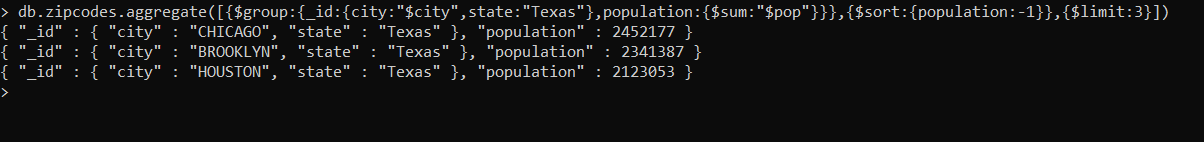
{ "\_id" : { "city" : "CHICAGO" }, "population" : 2452177 }

{ "\_id" : { "city" : "BROOKLYN" }, "population" : 2341387 }

{ "\_id" : { "city" : "HOUSTON" }, "population" : 2123053 }

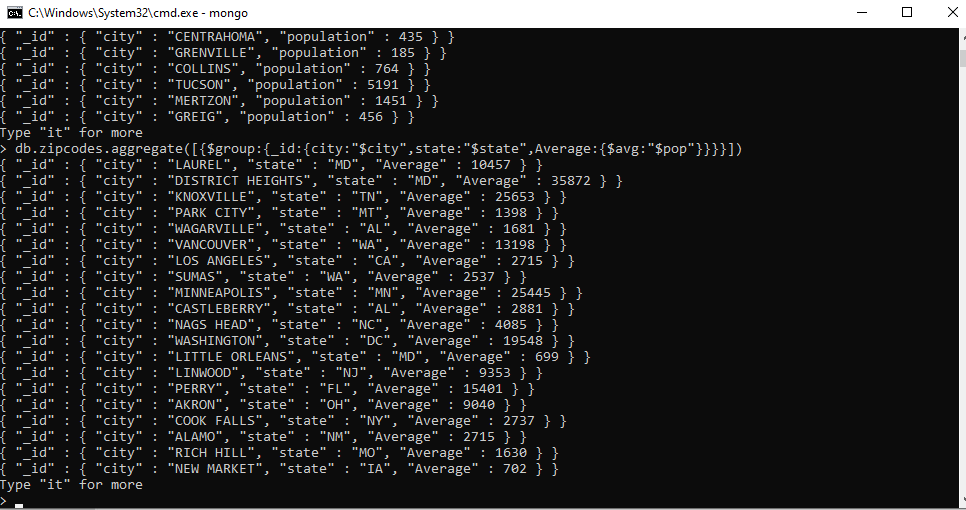
**4.**

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

****

**Bonus**

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

****

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

{ "\_id" : { "city" : "SAN LORENZO", "state" : "CA", "Average" : 23010 } }

{ "\_id" : { "city" : "LAMAR", "state" : "OK", "Average" : 225 } }

{ "\_id" : { "city" : "GRAND ISLAND", "state" : "FL", "Average" : 1416 } }