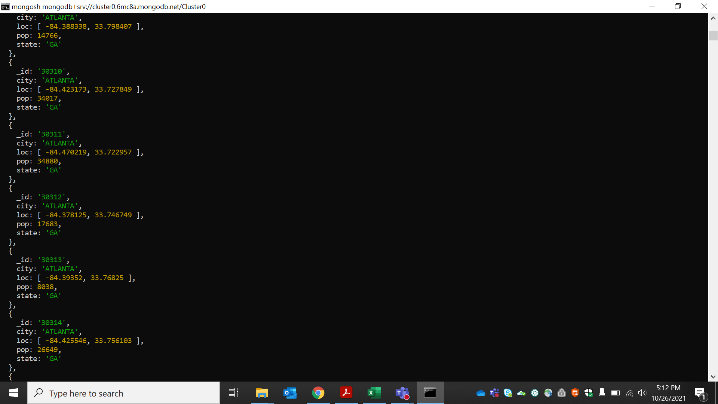
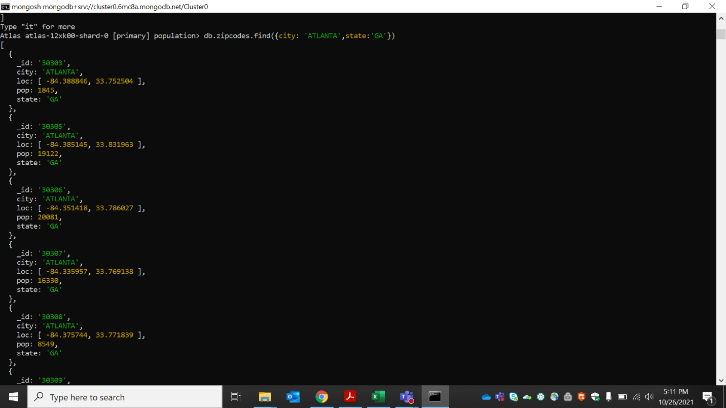
**MongoDB -Aggregation Exercises**

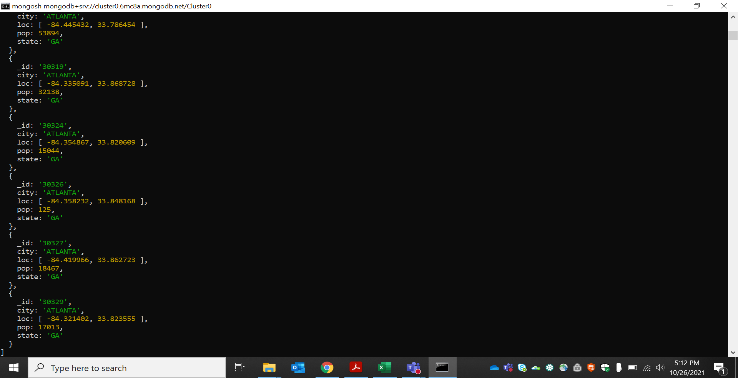
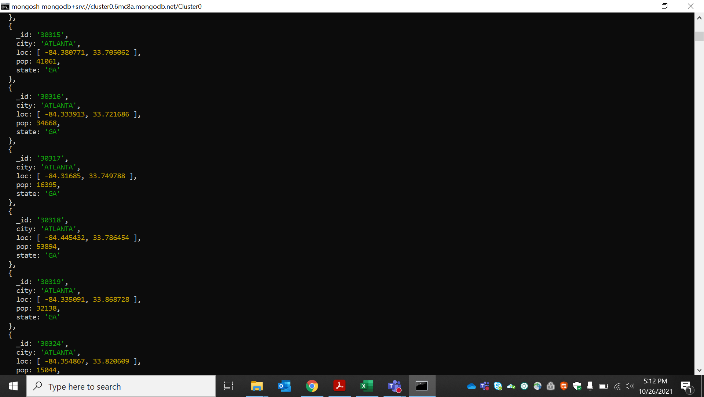
mongoimport --db population --collection zipcodes --file zips.json

zip file has imported using mongodb compass

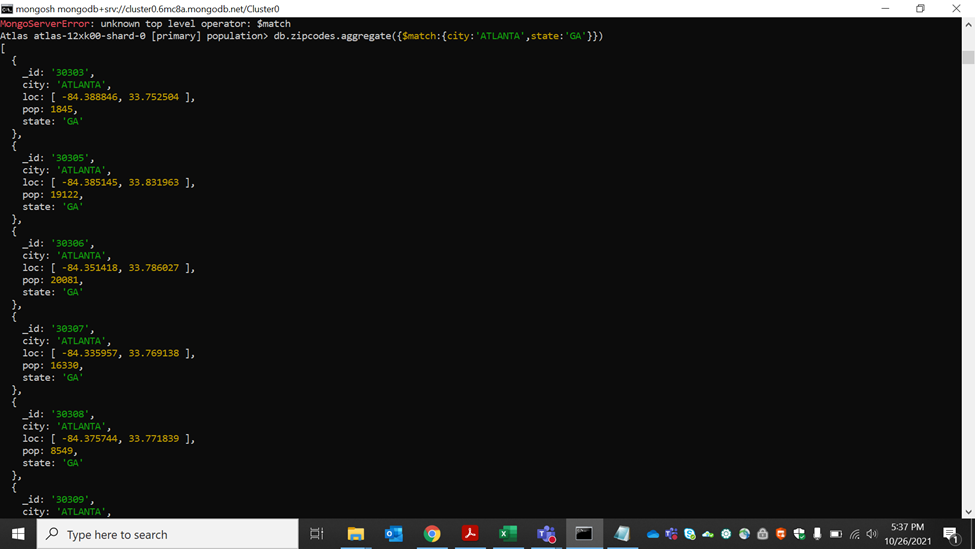
**Atlanta Population**

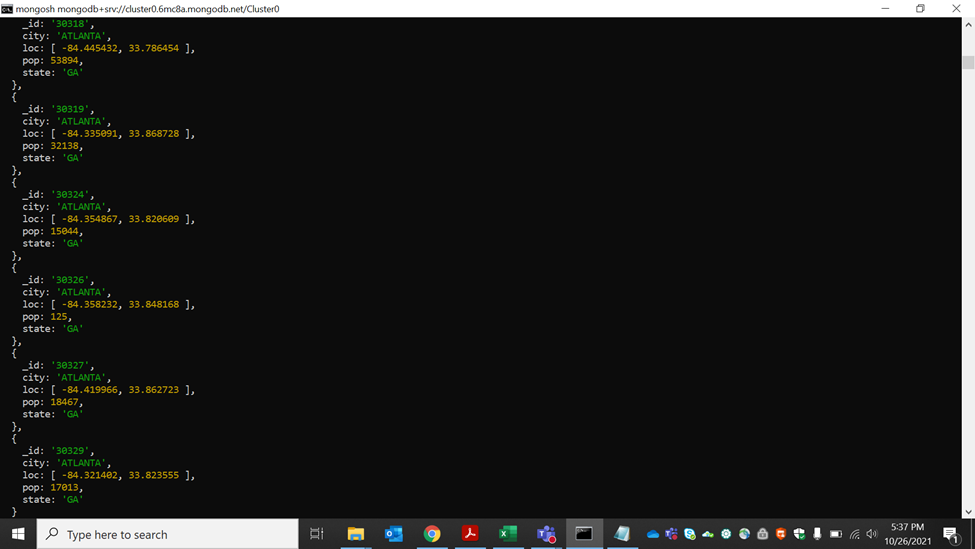
1. use db.zipcodes.find() to filter results to only the results where city is ATLANTA and state is GA.



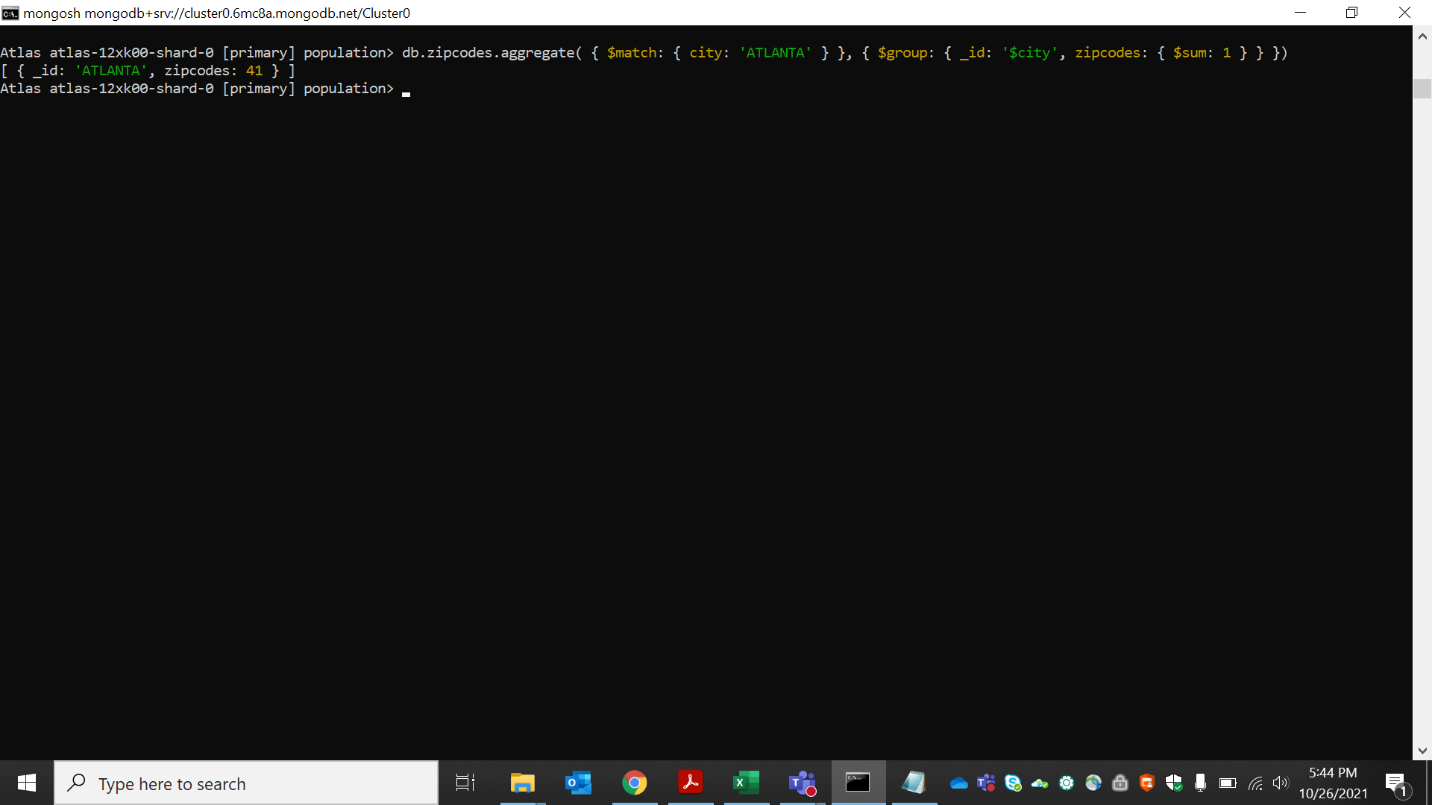


1. use db.zipcodes.aggregate with $match to do the same as above.

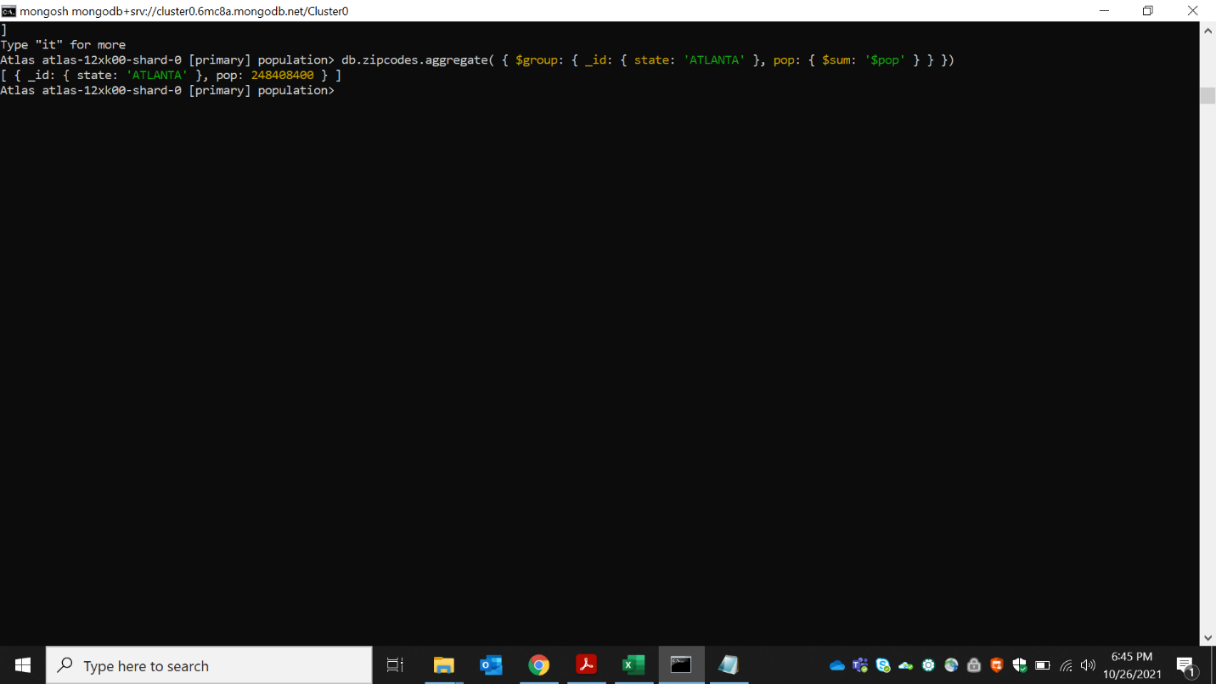




1. use $group to count the number of zip codes in Atlanta.

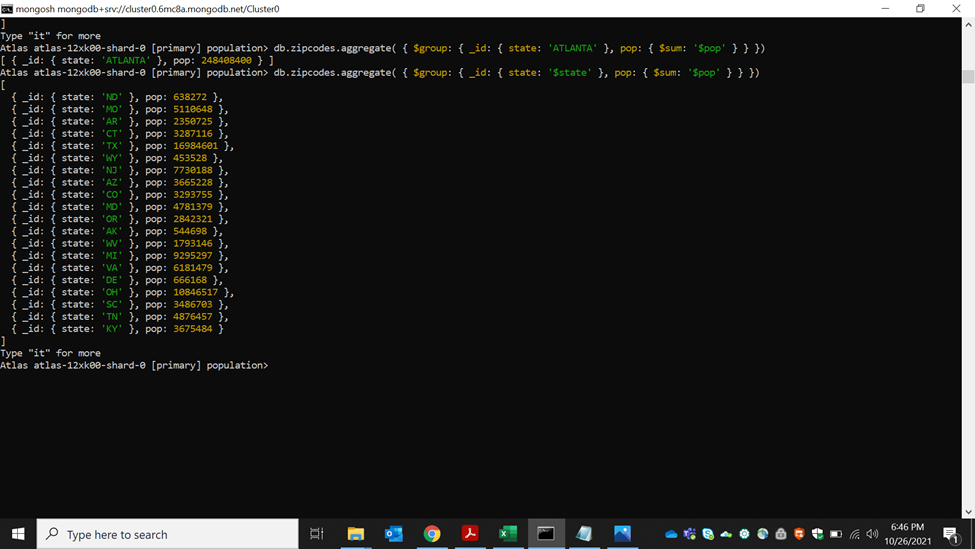


1. use $group to find the total population in Atlanta.

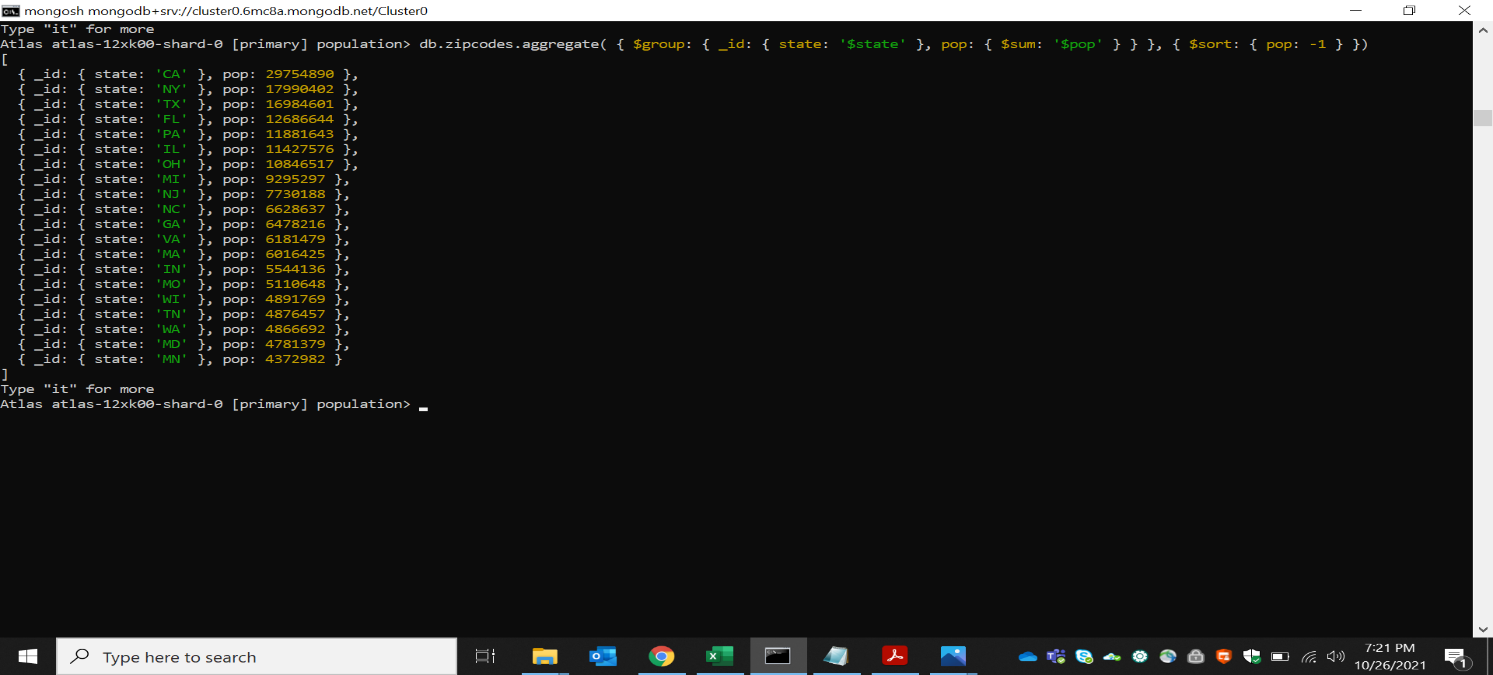


**Populations By State**

1. use aggregate to calculate the total population for each state



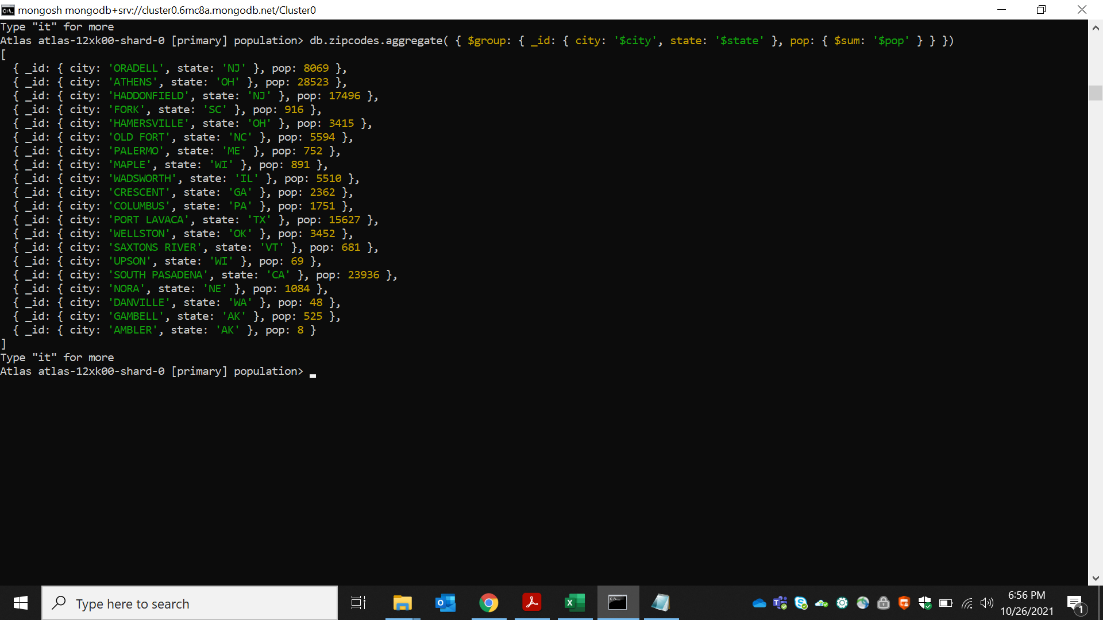
1. sort the results by population, highest first



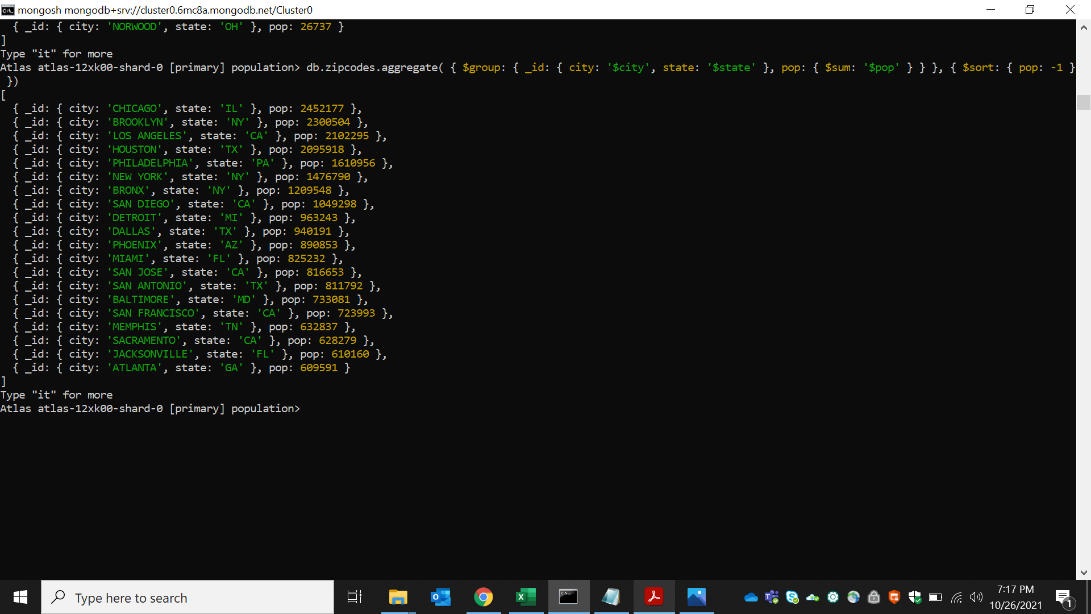
3. limit the results to just the first 3 results. What are the top 3 states in population?

**Populations by City**

1. use aggregate to calculate the total population for each city (you have to use city/state combination). You can use a combination for the \_id of the $group: { city: '$city', state: '$state' }



1. sort the results by population, highest first



3. limit the results to just the first 3 results. What are the top 3 cities in population?

4. What are the top 3 cities in population in Texas?