**MongoDB -Aggregation Exercises**

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

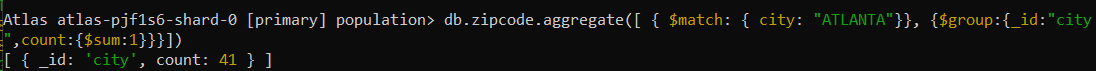
Description automatically generated

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

Text

Description automatically generated

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



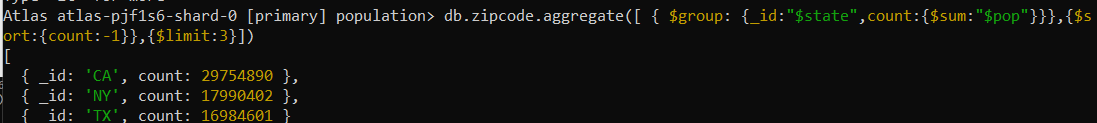
. 4. use $group to find the total population in Atlanta.

1. use aggregate to calculate the total population for each state
2. sort the results by population, highest first

Text

Description automatically generated

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



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' }  
  
A screenshot of a computer

Description automatically generated with medium confidence

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?  
  
  
A screenshot of a computer

Description automatically generated with medium confidence

Text

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

1. Write a query to get the average city population for each state.

2. What are the top 3 states in terms of average city population?  
  
A screenshot of a computer

Description automatically generated with medium confidence

Text

Description automatically generated