**MongoDB -Aggregation Exercises**

Import the zips.json file into your MongoDB. Database name is "population" and collection name is "zipcodes".

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

**Atlanta Population**

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

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

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

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**Populations By State**

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

Graphical user interface

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1. sort the results by population, highest first



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

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**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' }

Graphical user interface, text

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1. sort the results by population, highest first

Text

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**Bonus**

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

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