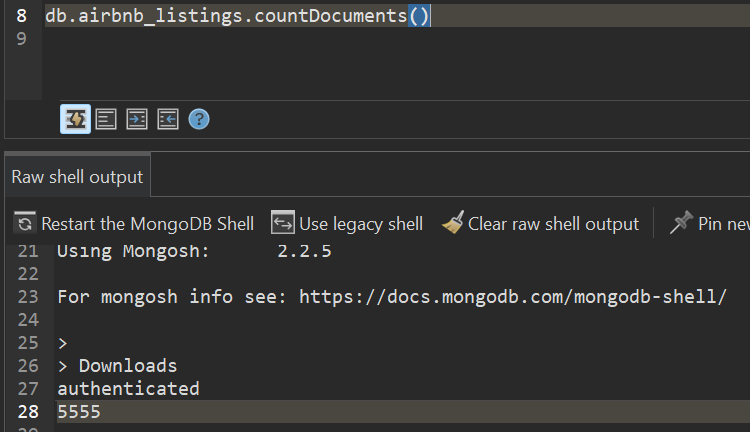
CS/CE 457/464 - Homework Assignment 5: NoSQL

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1. the count of total number of records in the collection:



This tells us that we have the information of 5555 airbnbs in our database.

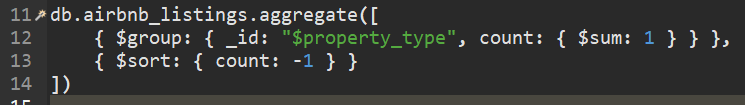
1. the count of records for property\_type “House”:

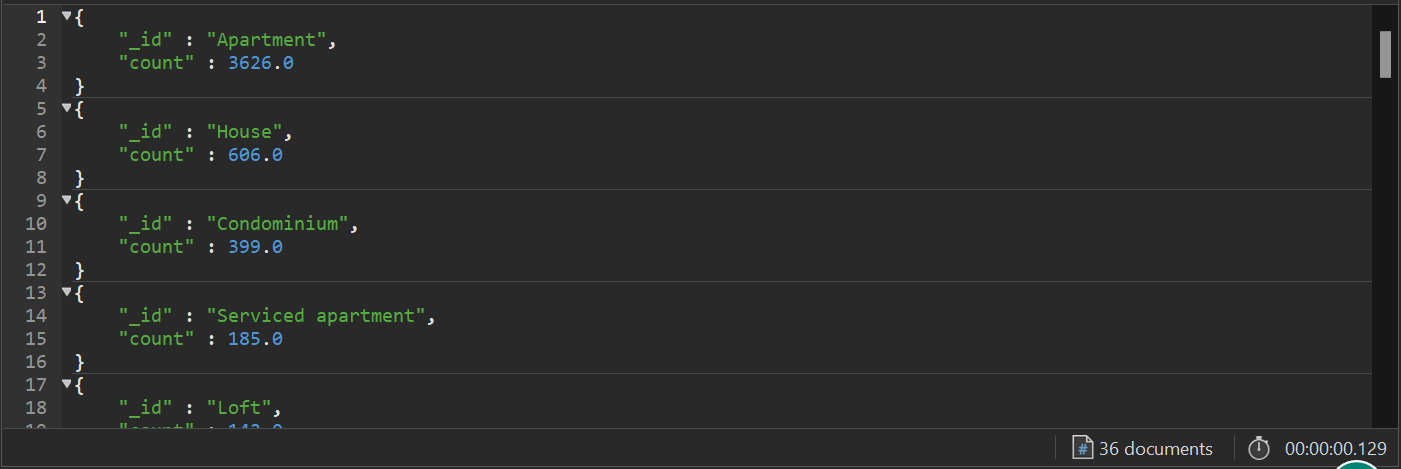




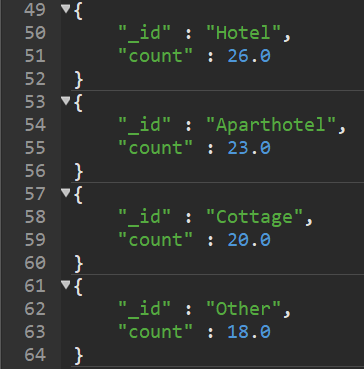
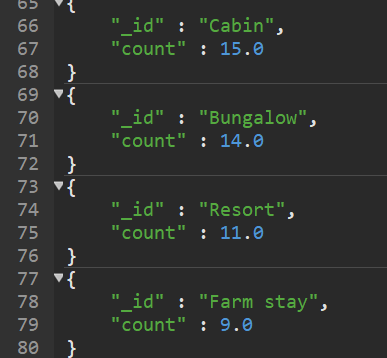
The amount of airbnb’s using House as their property is 606.

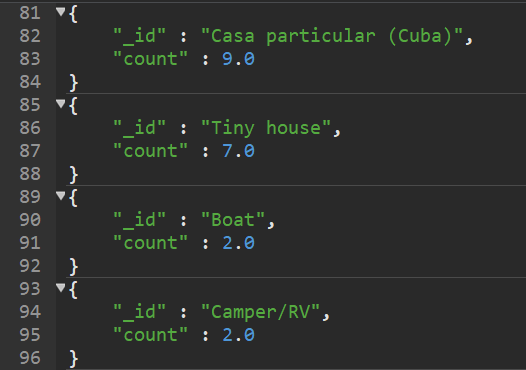
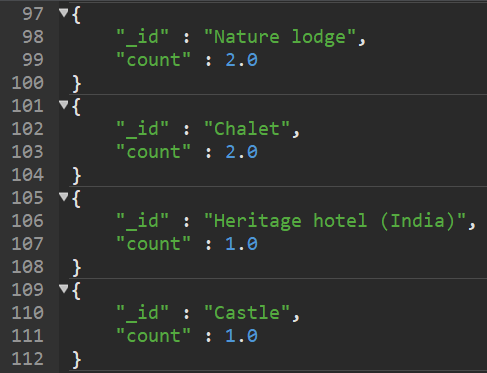
1. counts for each property\_type in descending order of count (use group).

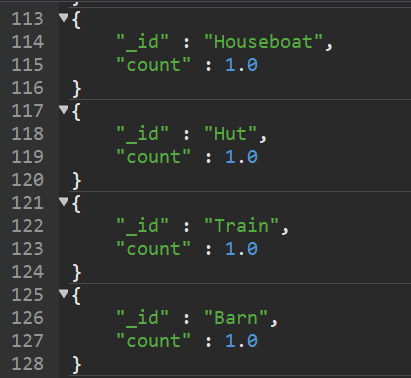




In total, there are 36 different types of properties people have used to build airbnbs. The results above show how many of each property type exist in our database.

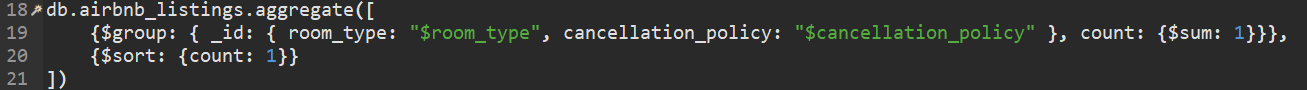
1. the count of records for review\_scores\_cleanliness less than 5.

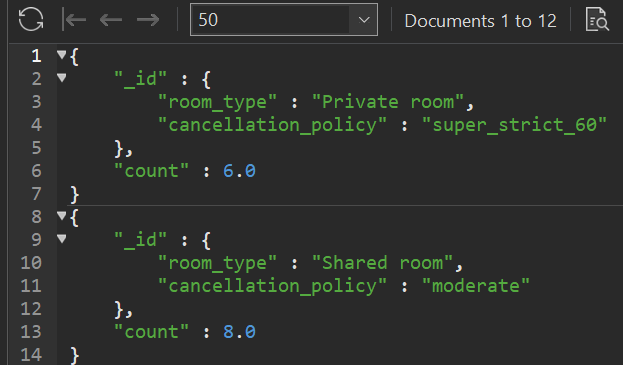
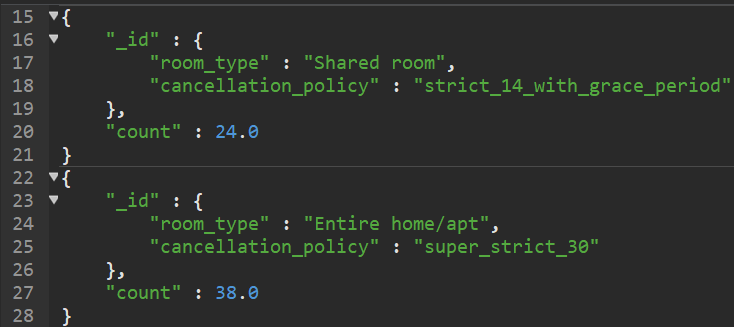




There are only 38 out of 5555 airbnbs whose cleanliness score is less than 5.

1. the count of records for each room\_type, cancellation\_policy. Order the output by count in ascending order.



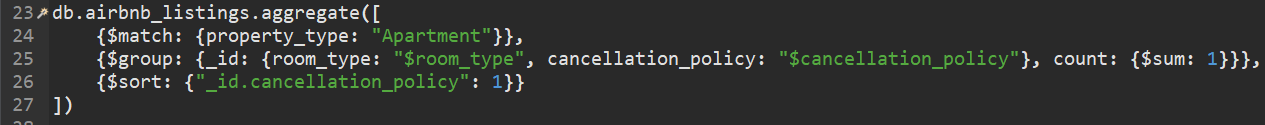




This tells us the amount of the combination of different types of rooms and their cancellation policy in all these airbnbs. With the most being entire home or apartment with strict 14 days cancellation policy with grace period.

1. Similar to question 5, the count of records for each room\_type, cancellation\_policy when property\_type is “Apartment”. Order the output by cancellation\_policy in ascending order.







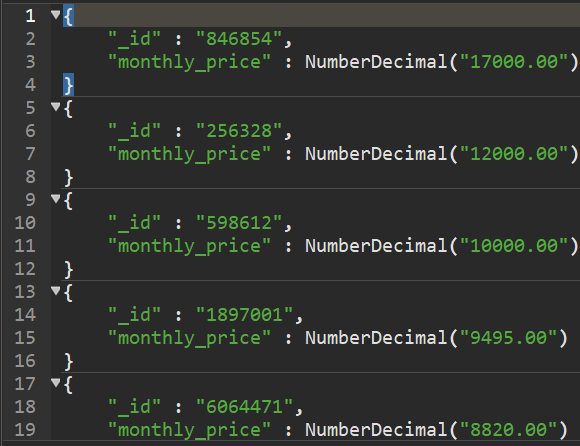
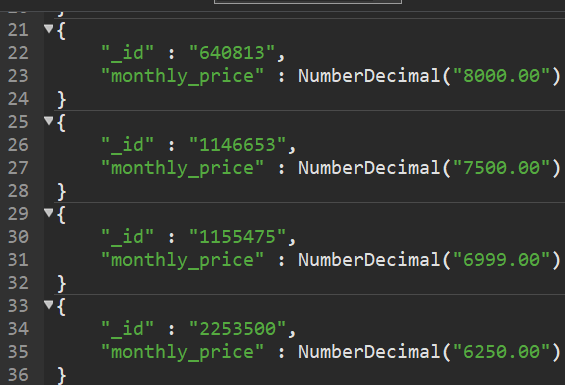


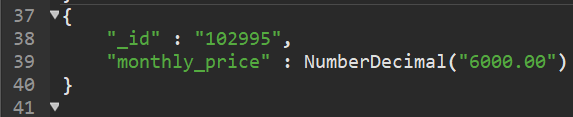


This only shows the combination of different types of rooms and their cancellation policy of airbnbs that are built in Apartments.

1. Find all the records where address.market is “New York” and monthly\_price is greater than 5000. Display only id and monthly\_price and sort the output by monthly\_price in descending order.



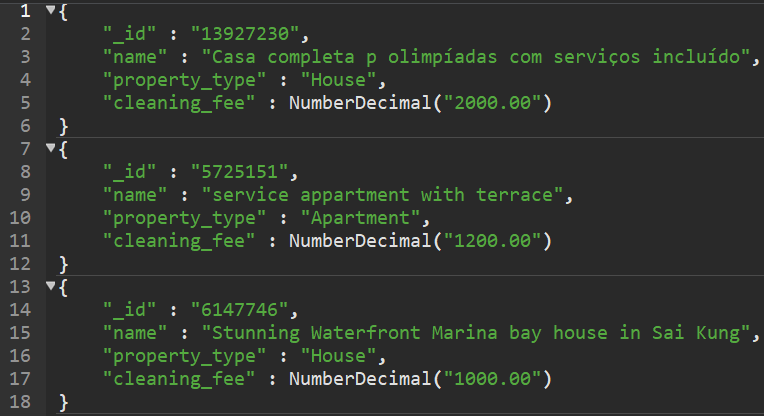
 



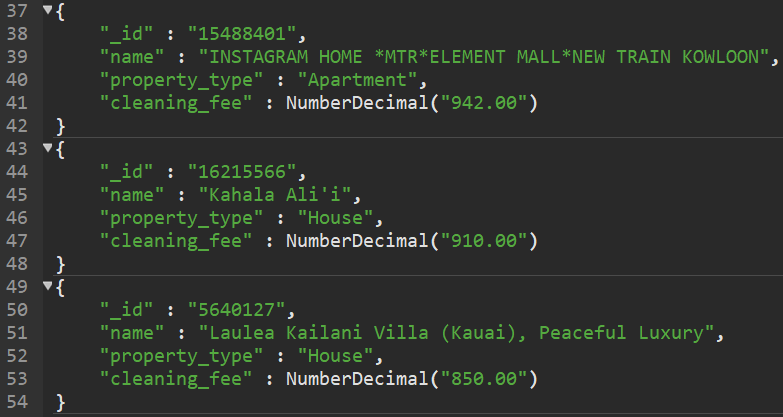
This shows us the Airbnbs and their prices in New York that cost more than $5000 per month.

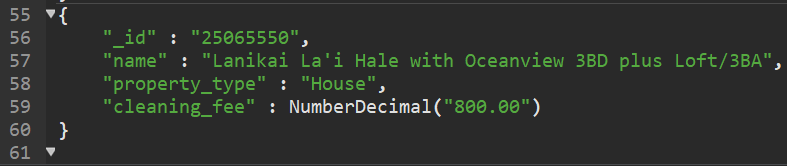
1. Display the records with cleaning\_fee in descending order. Display name, property\_type and cleaning\_fee. Limit records to 10 (easy)







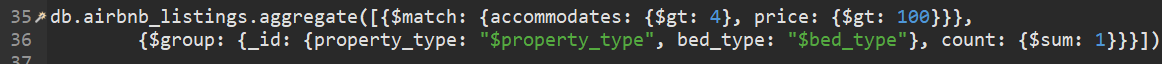


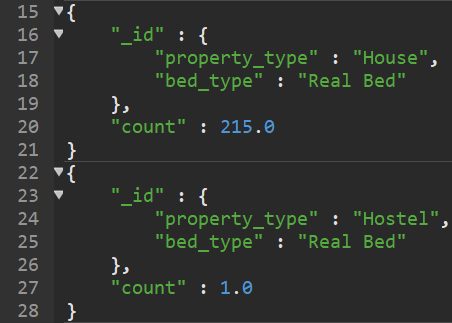


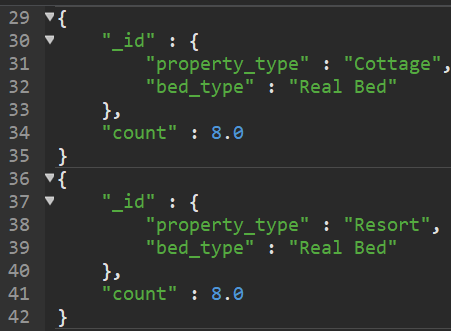
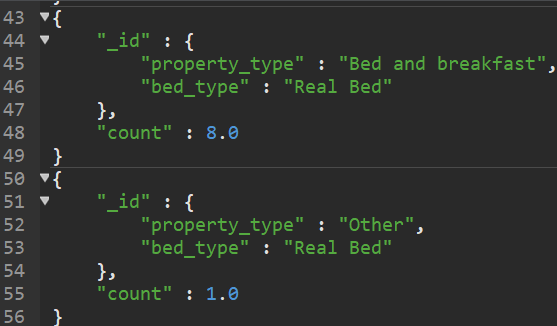
This shows us the name and property type of the top 10 most expensive Airbnbs in terms of cleaning fee.

1. Come up with your own query to show any interesting insight. Use atleast two fields for match and two fields for group.

The following shows the count of Airbnbs in our database grouped by property\_type and bed\_type where accommodates > 4 and price > 100:

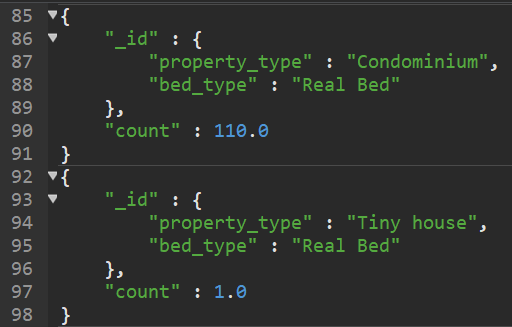


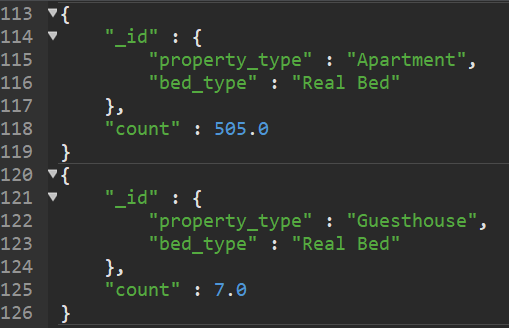
 

















1. Come up with your own query to show any interesting insight. Use atleast two fields for group.

The following shows the average price of the Airbnbs in our database by room\_type and cancellation\_policy and is sorted in descending order of price:

