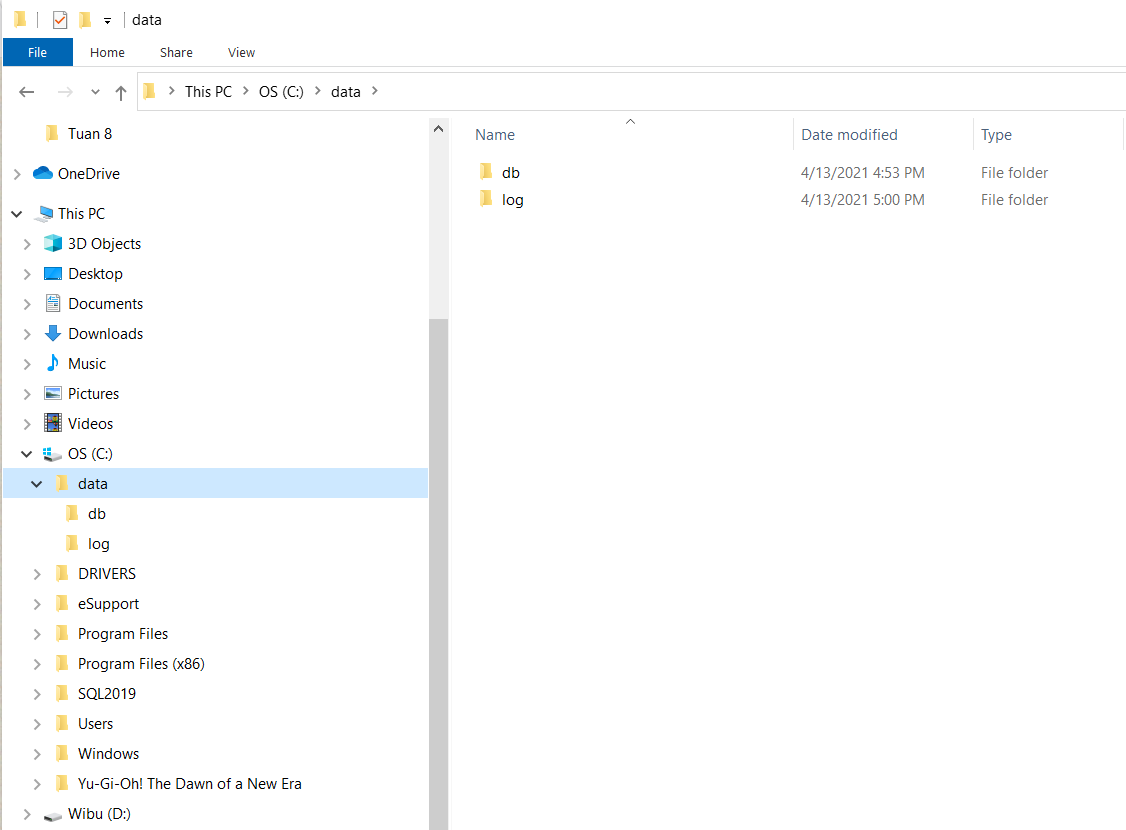
Họ, tên: Đặng Văn Sang

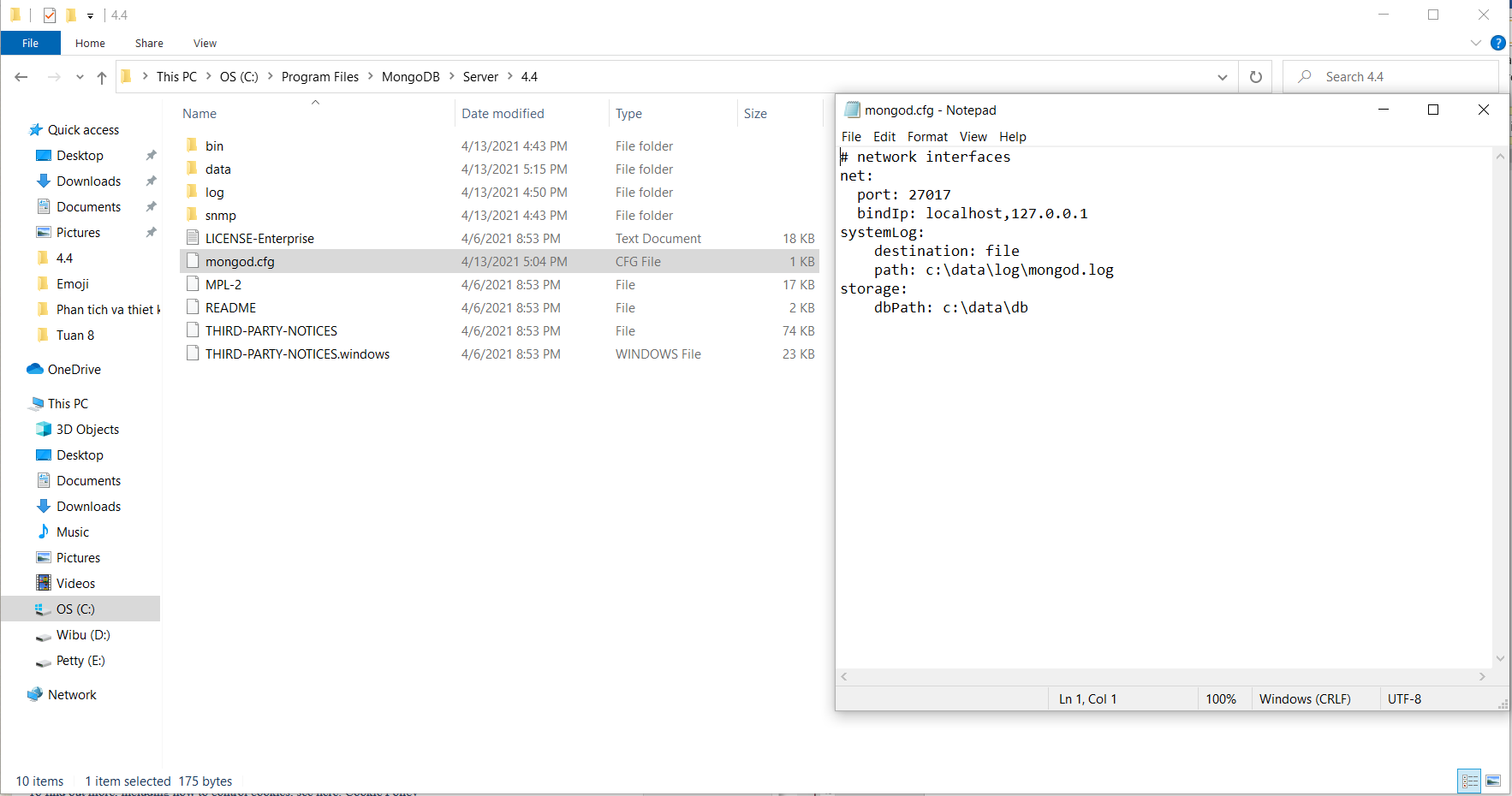
MSSV: 18110352

# Bài 2: Cấu hình Service MongoDB

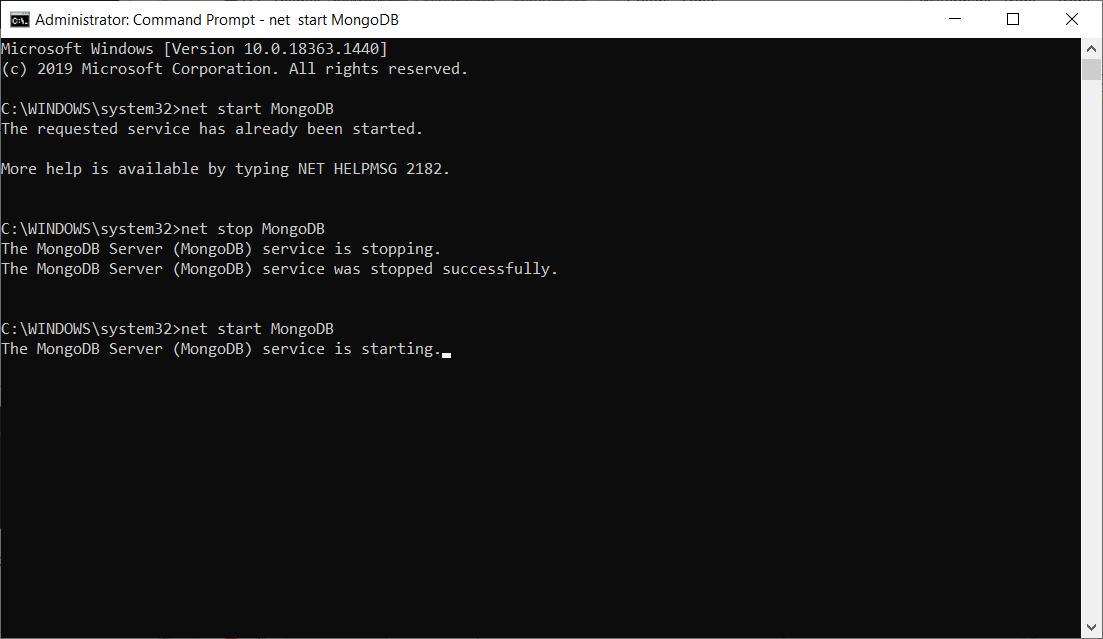
## Bước 1:

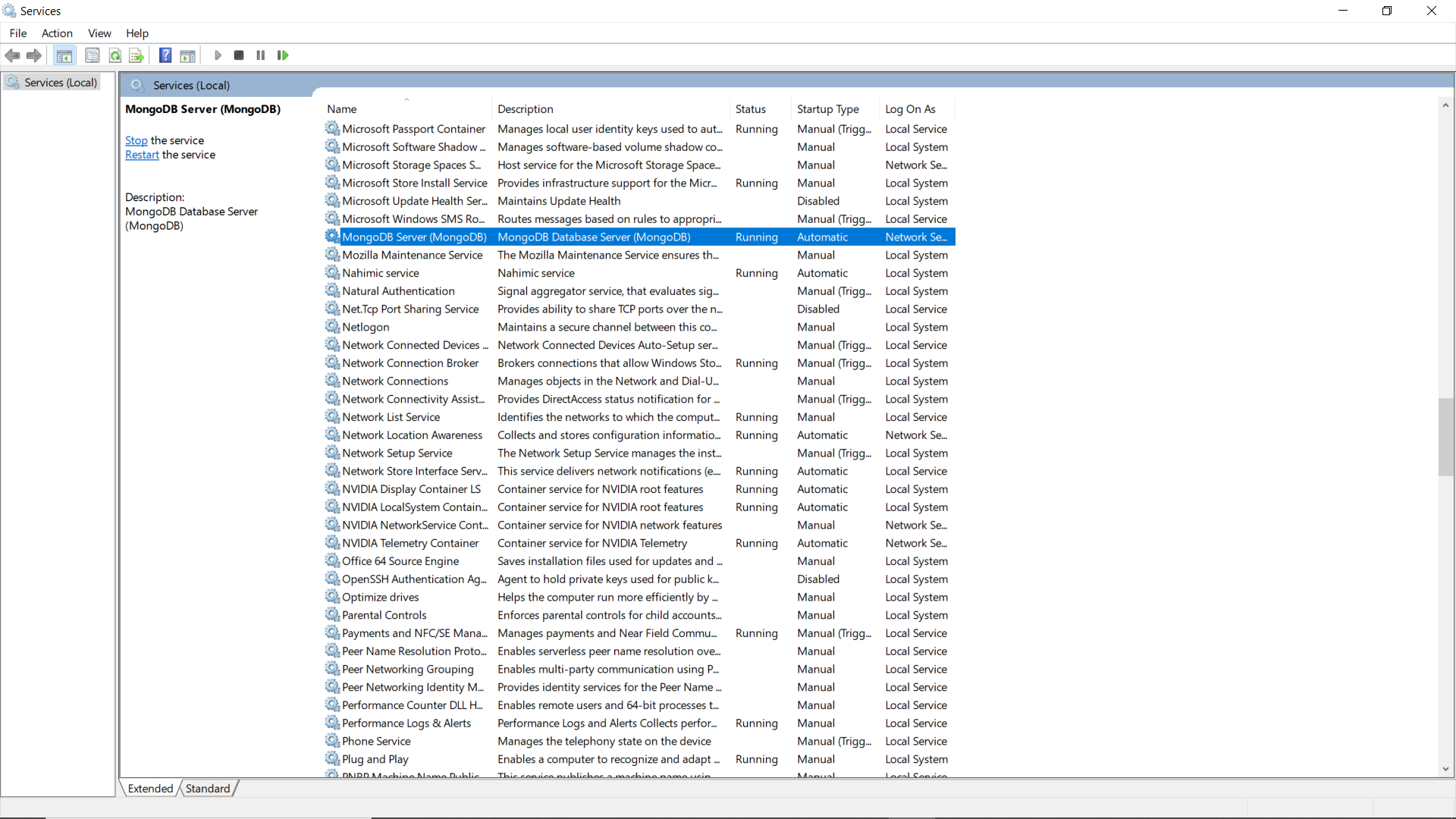


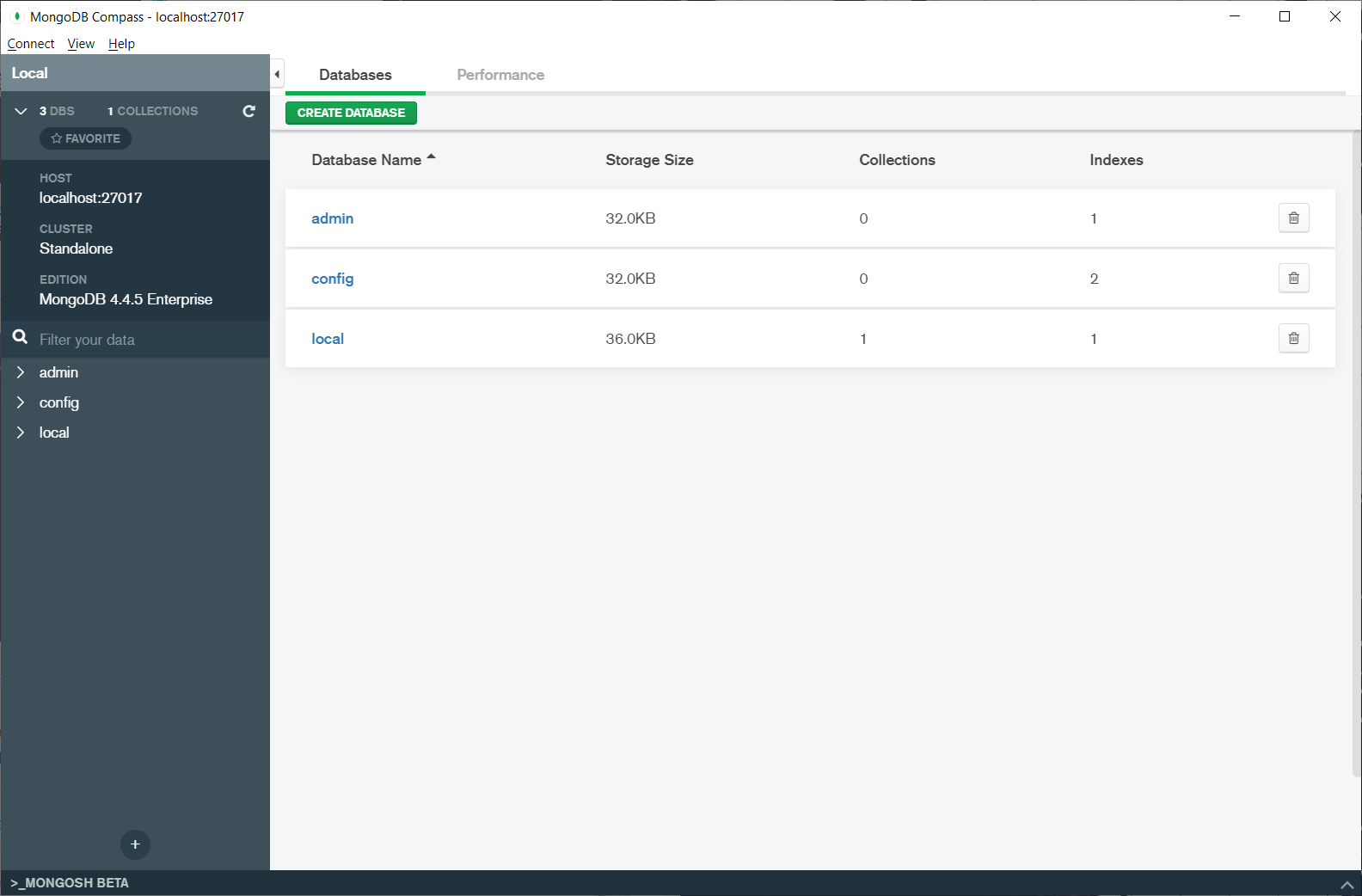
## Bước 2:



## Bước 4:

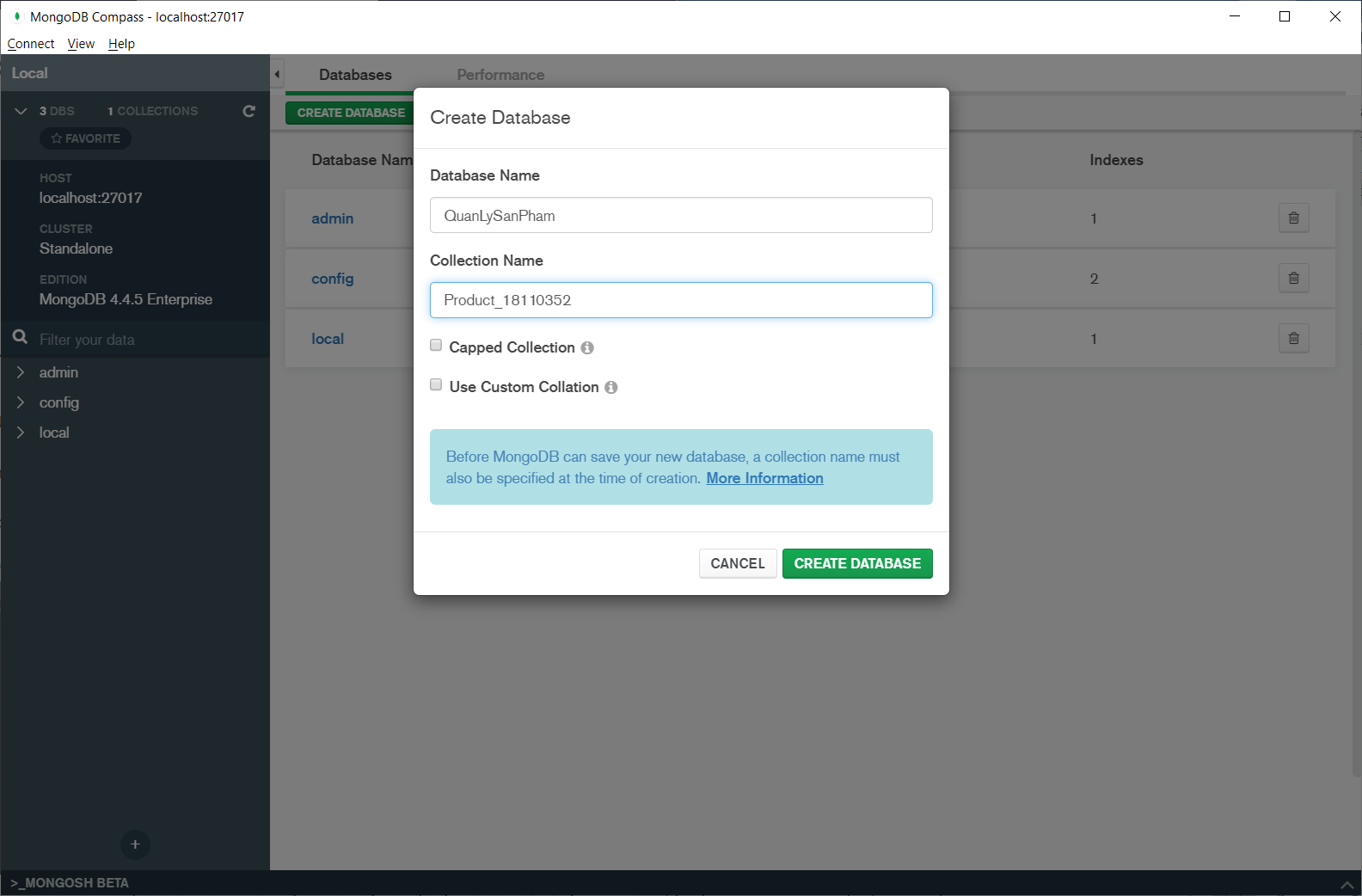


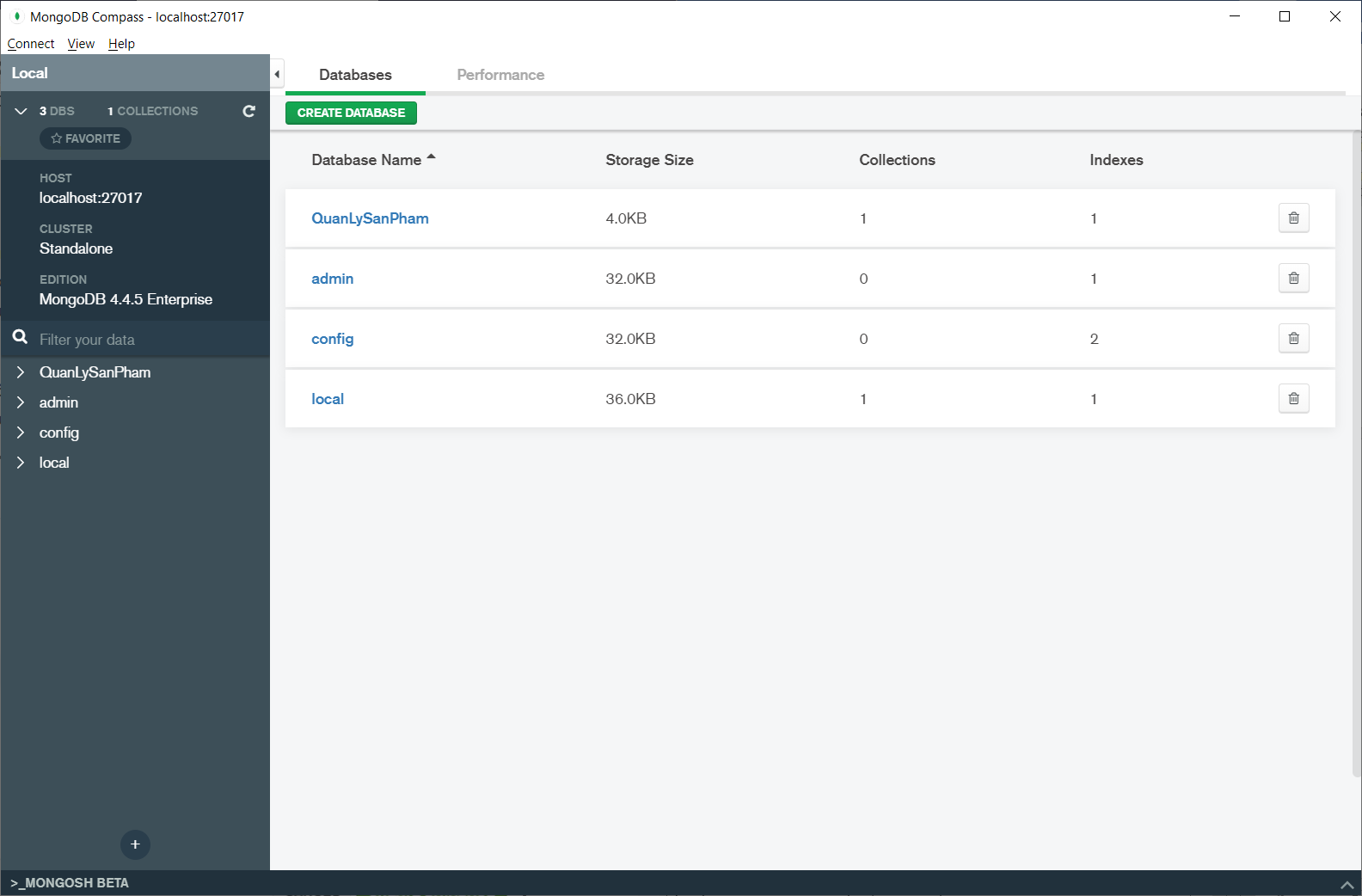




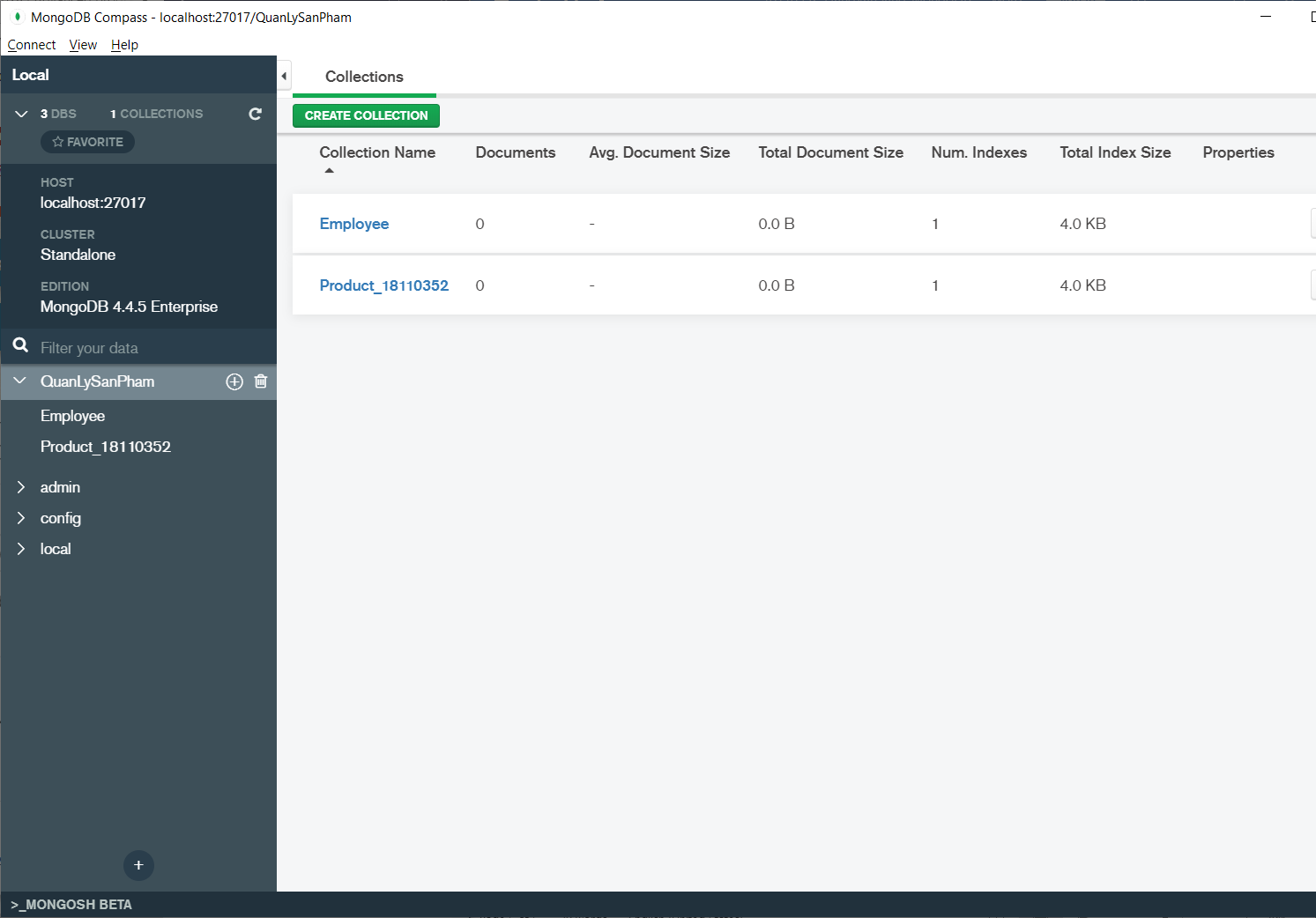
# Bài 3: Sử dụng MongoDB Compass

# Tạo CSDL

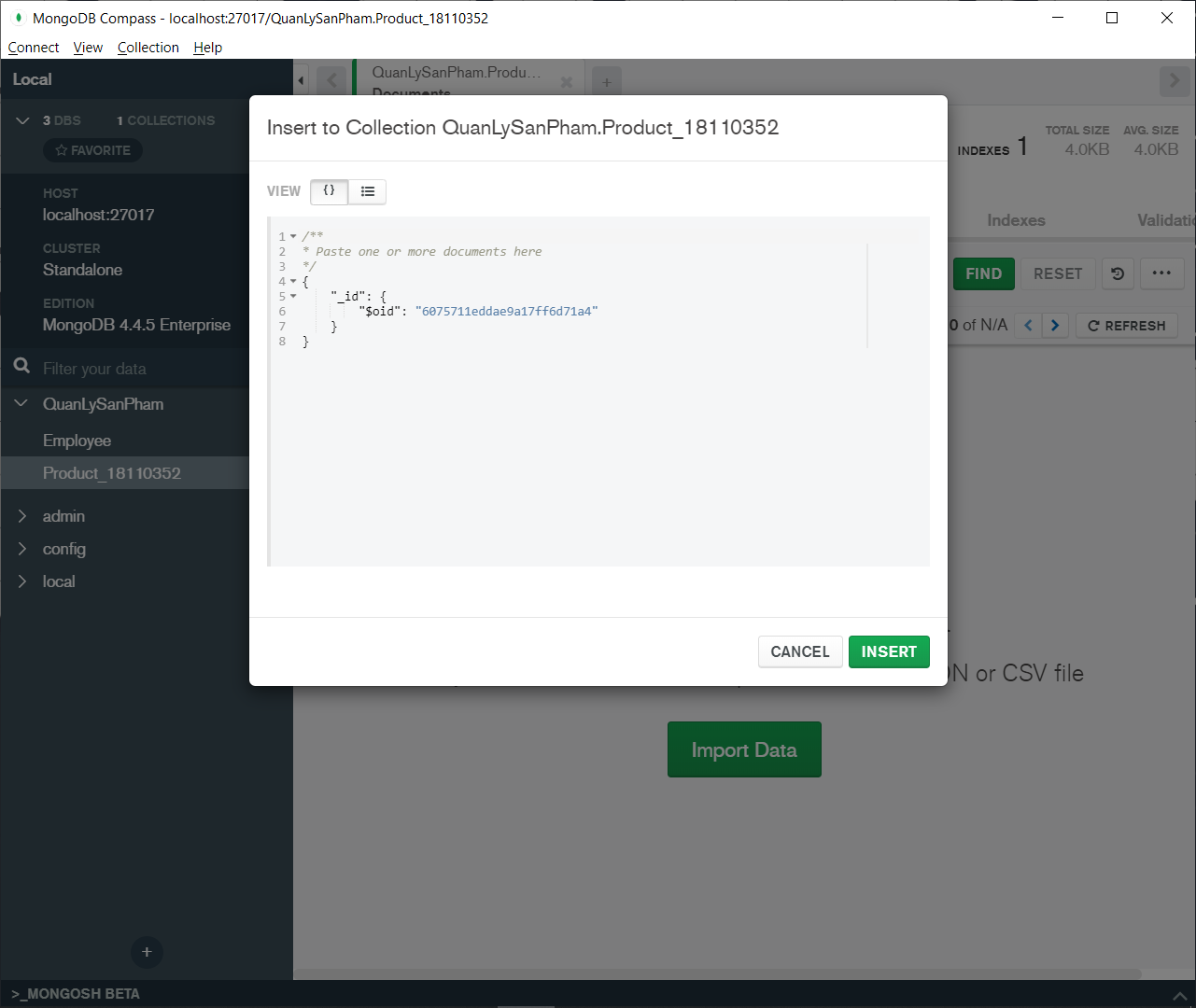


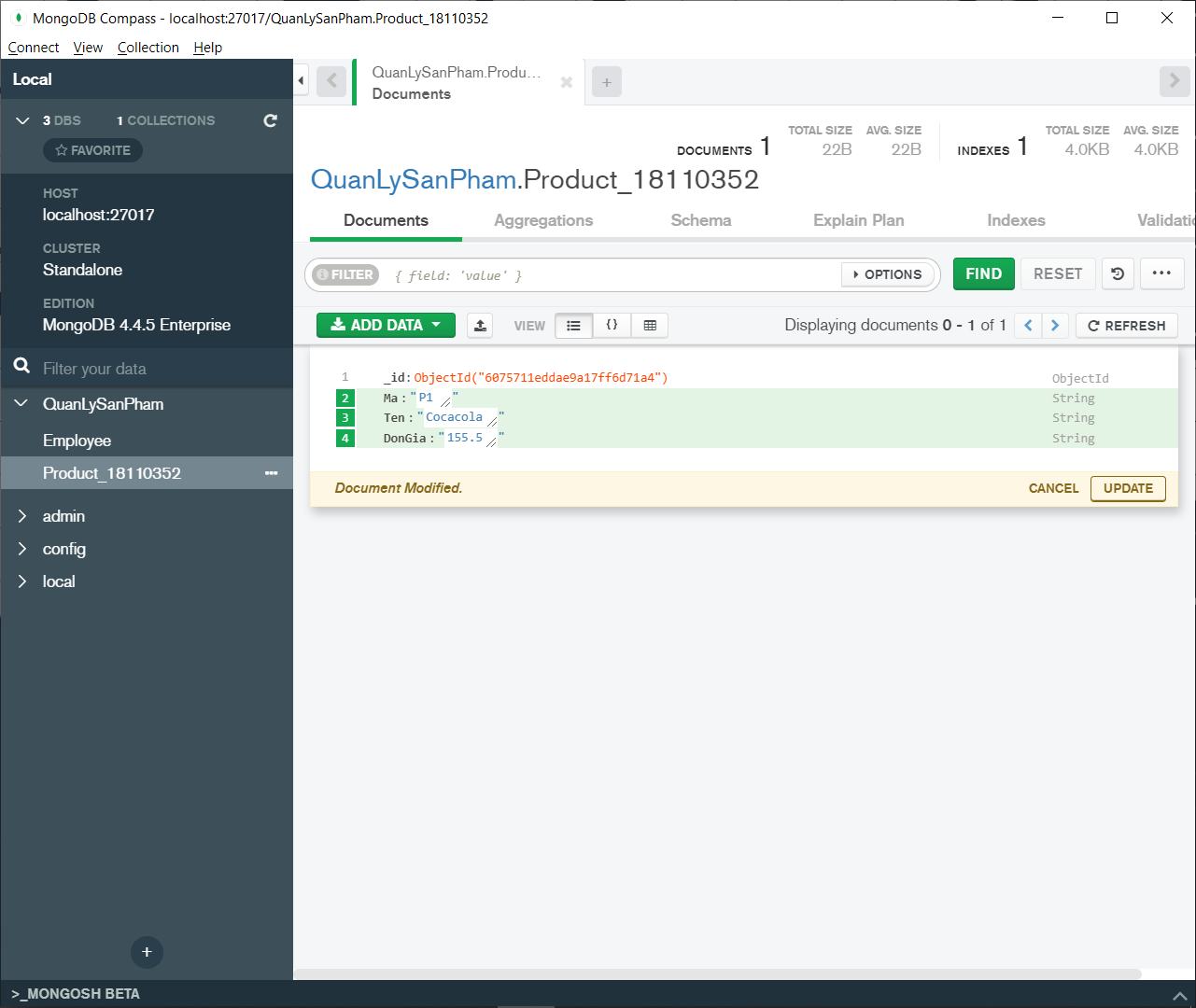


## Tạo Collection:



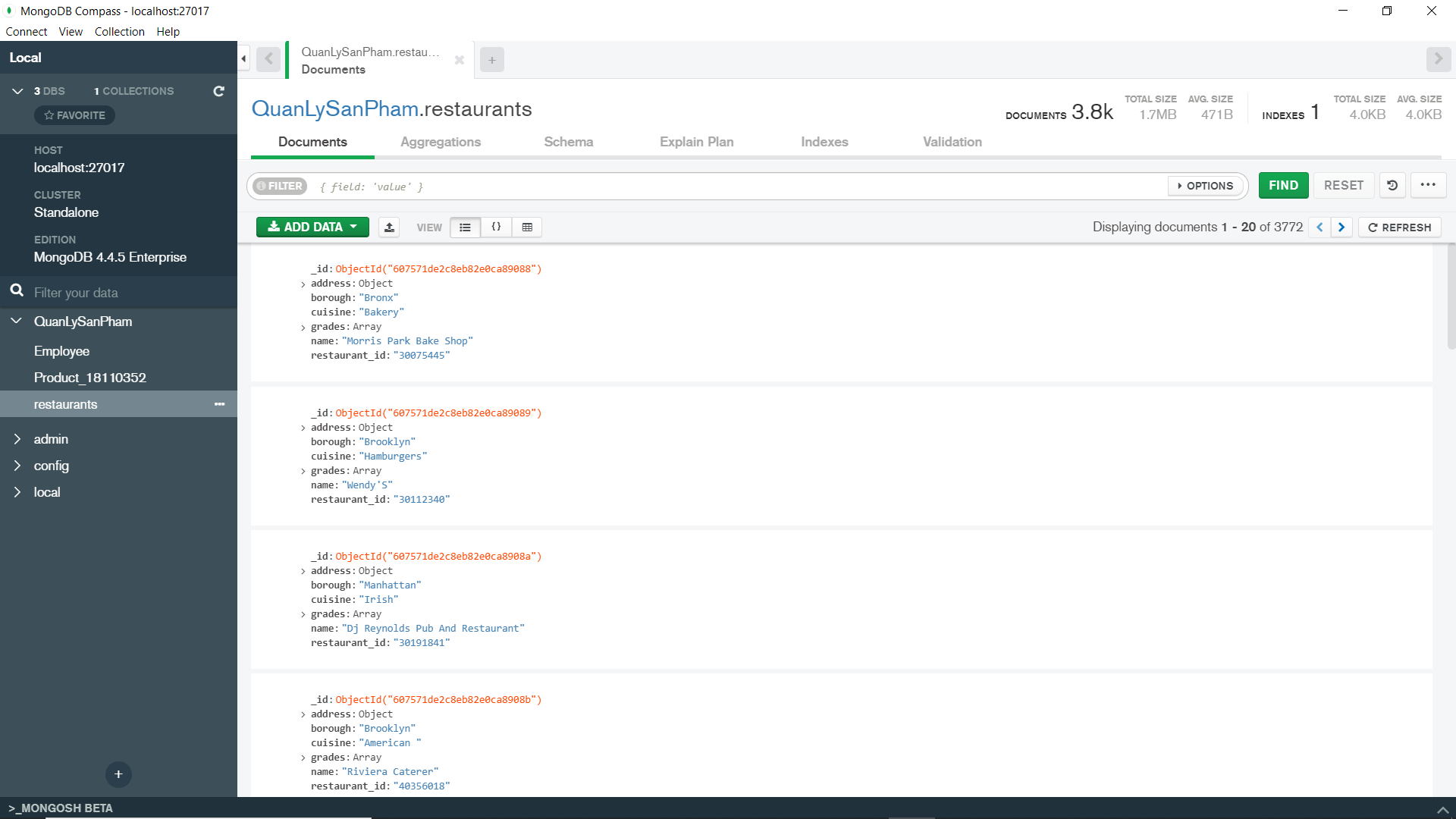
## Tạo Document:



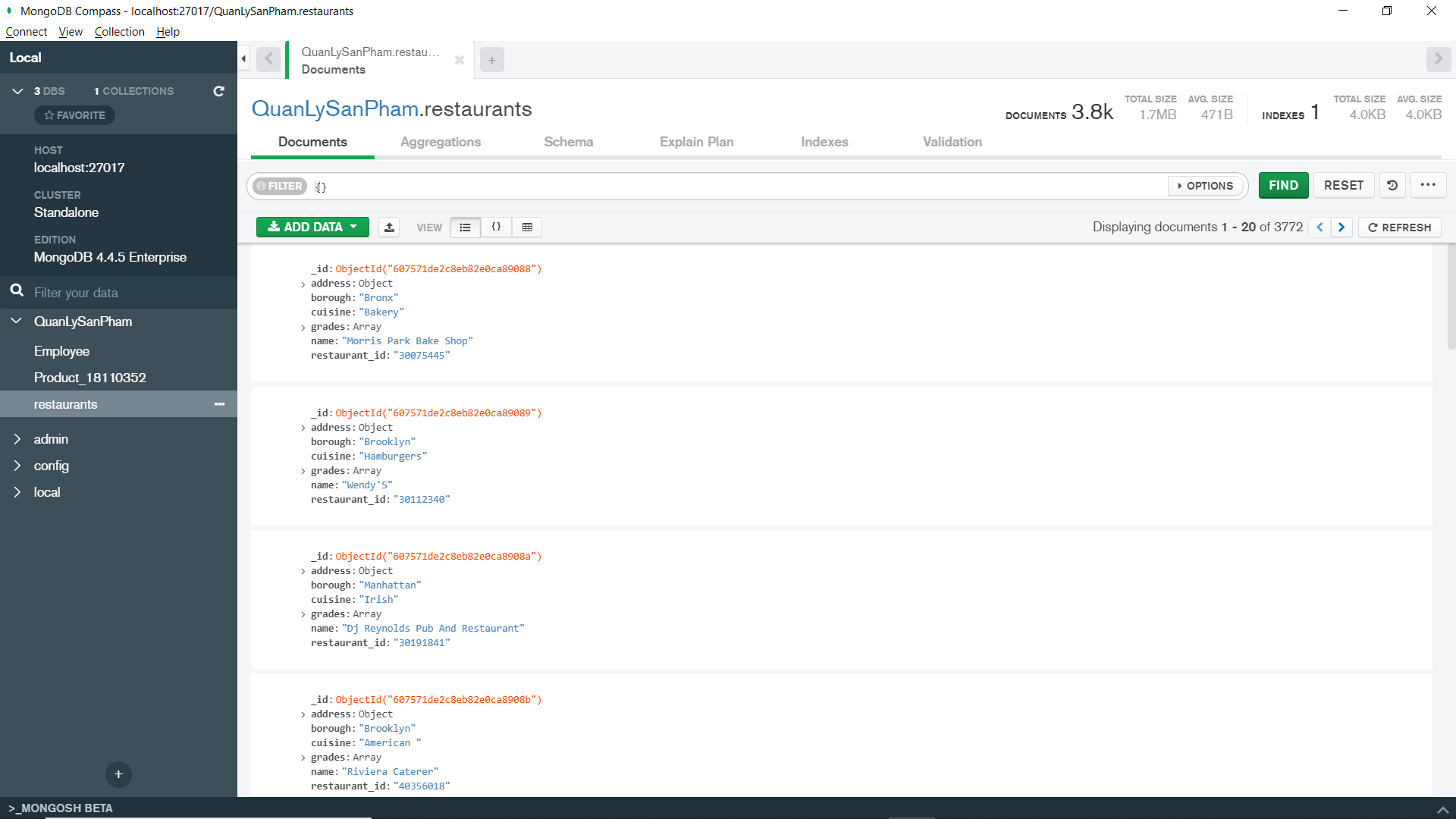


# Bài 4:

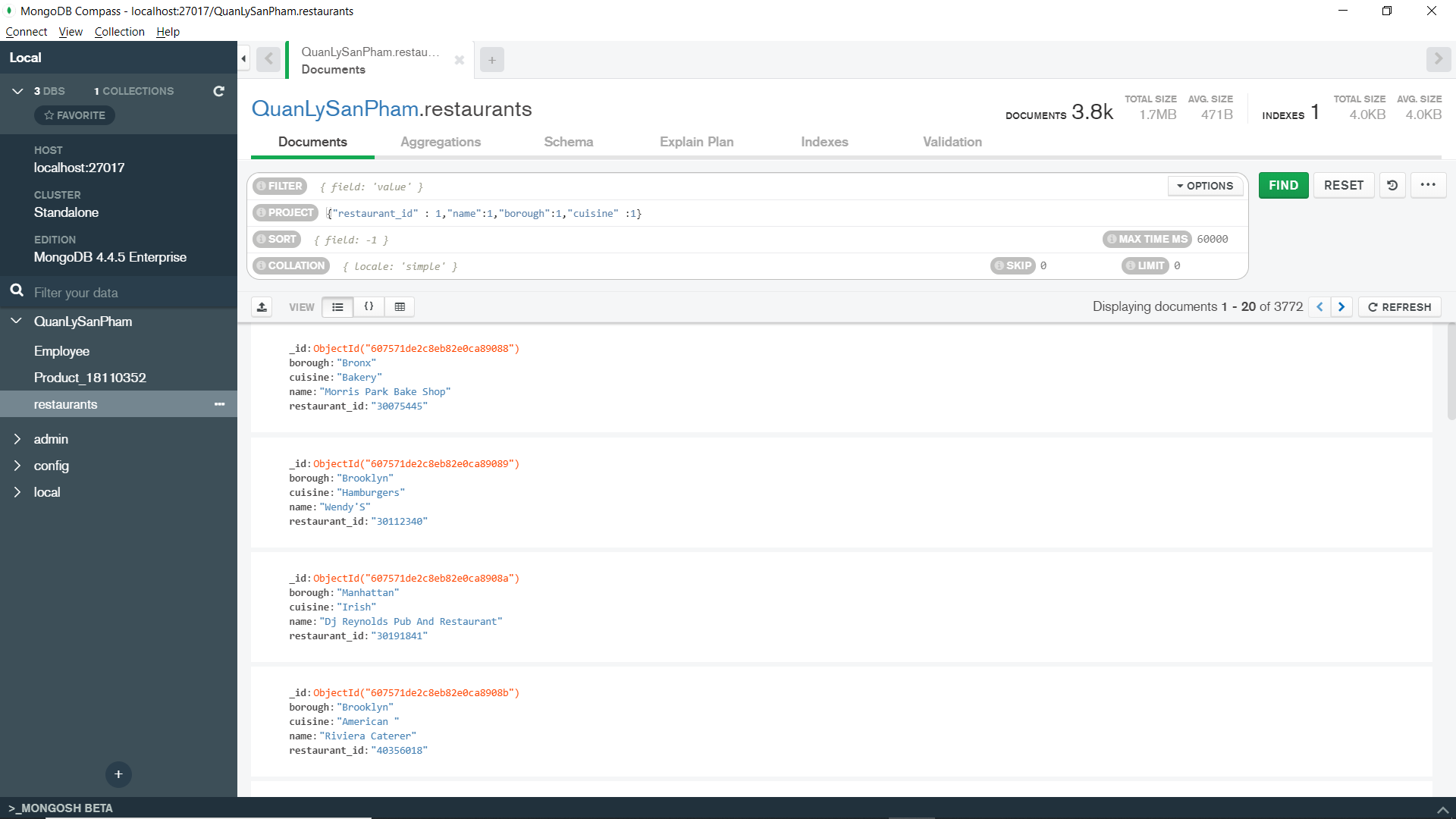
## CSDL restaurants



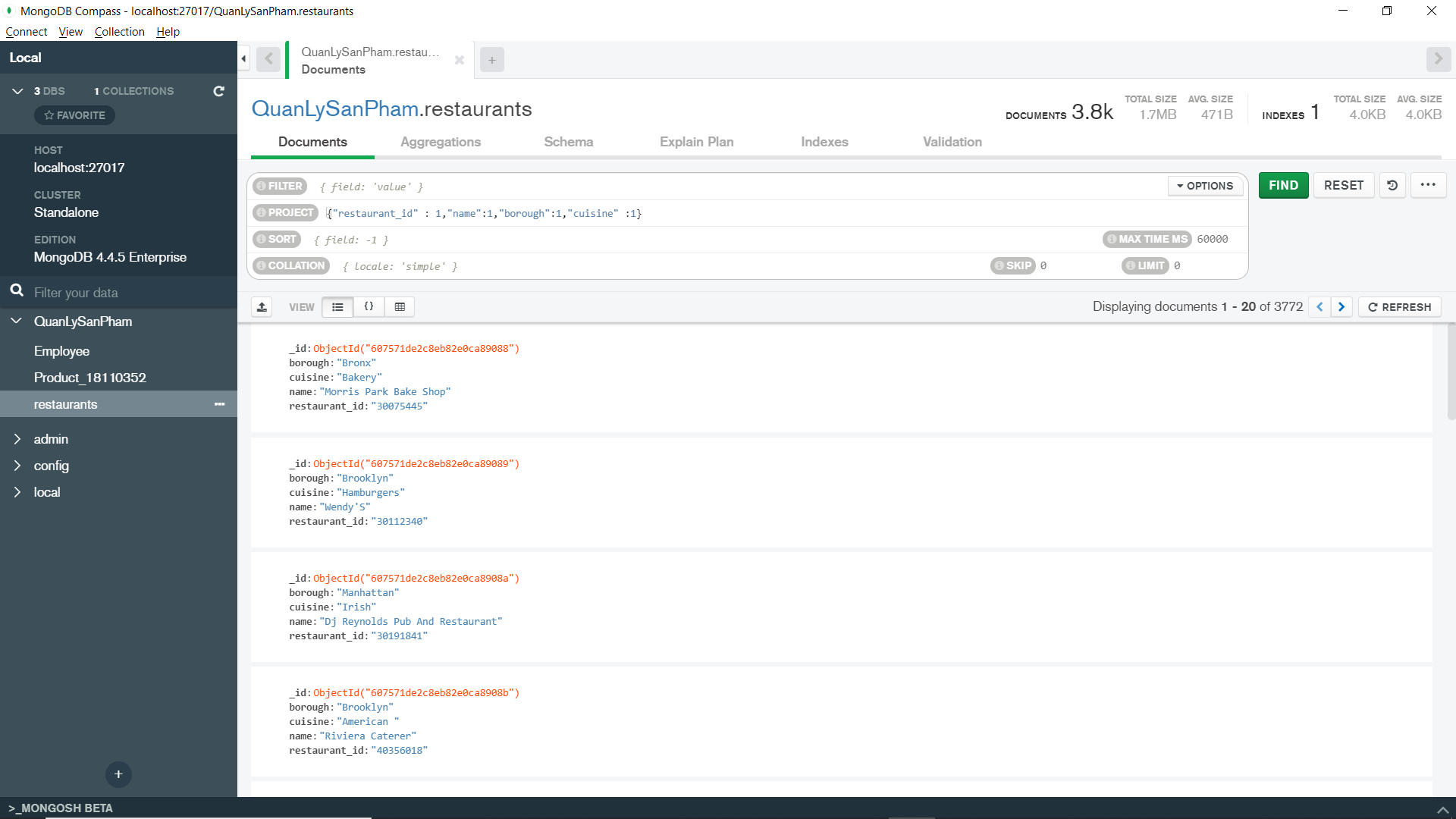
1. Write a MongoDB query to display all the documents in the collection restaurants.



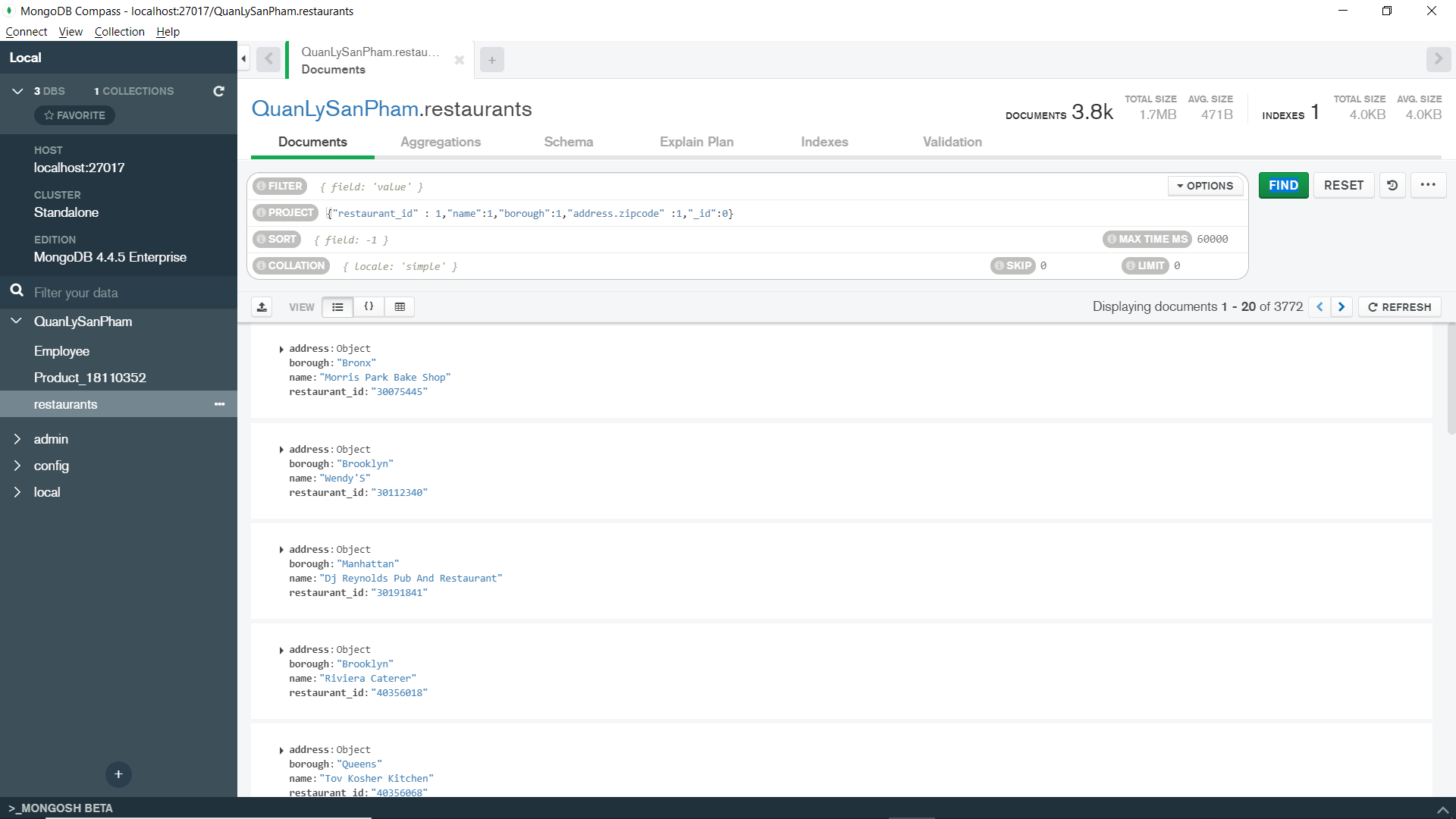
2. Write a MongoDB query to display the fields restaurant\_id, name, borough and cuisine for all the documents in the collection restaurant.



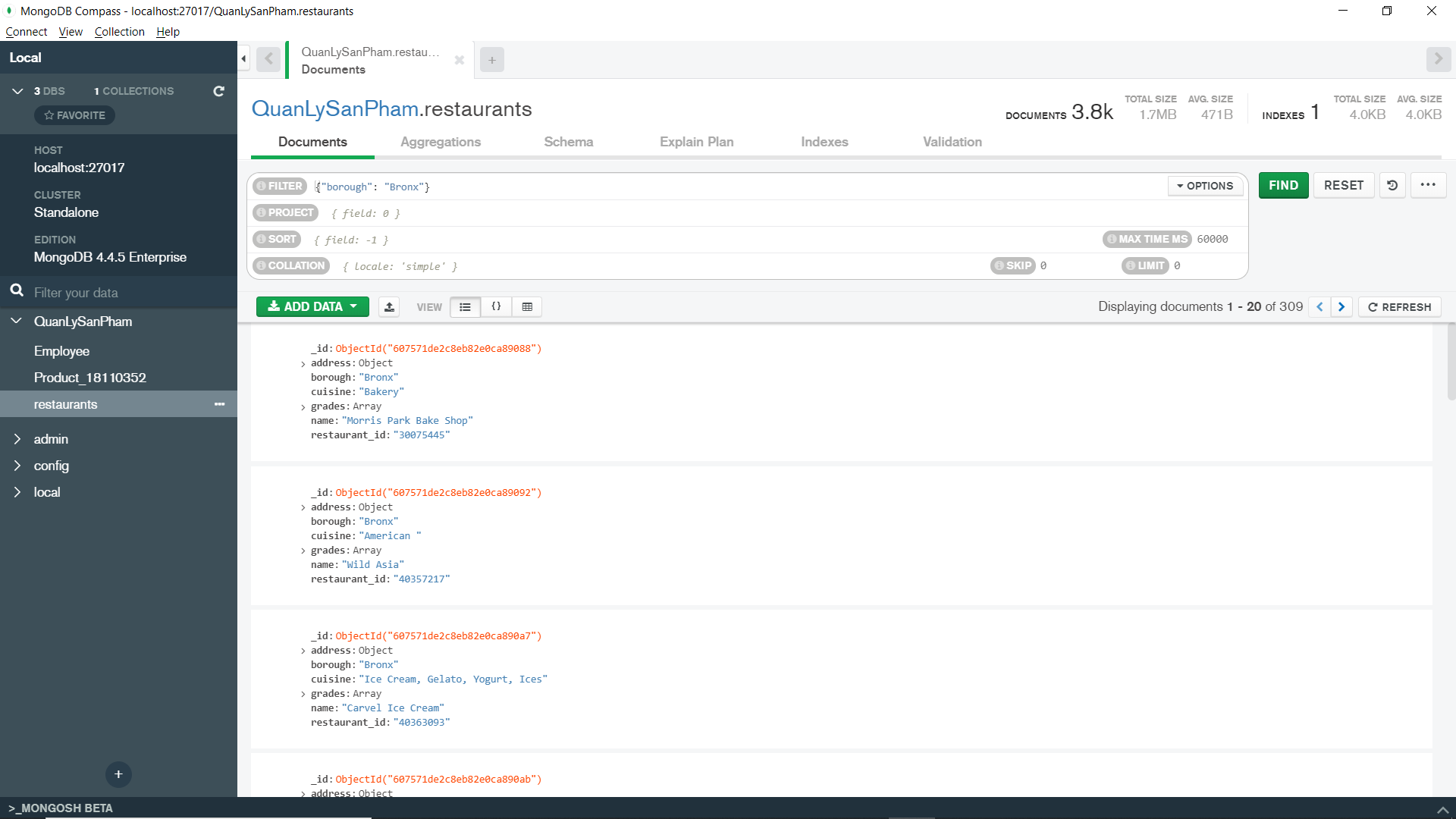
3. Write a MongoDB query to display the fields restaurant\_id, name, borough and cuisine, but exclude the field \_id for all the documents in the collection restaurant.



4. Write a MongoDB query to display the fields restaurant\_id, name, borough and zip code, but exclude the field \_id for all the documents in the collection restaurant.



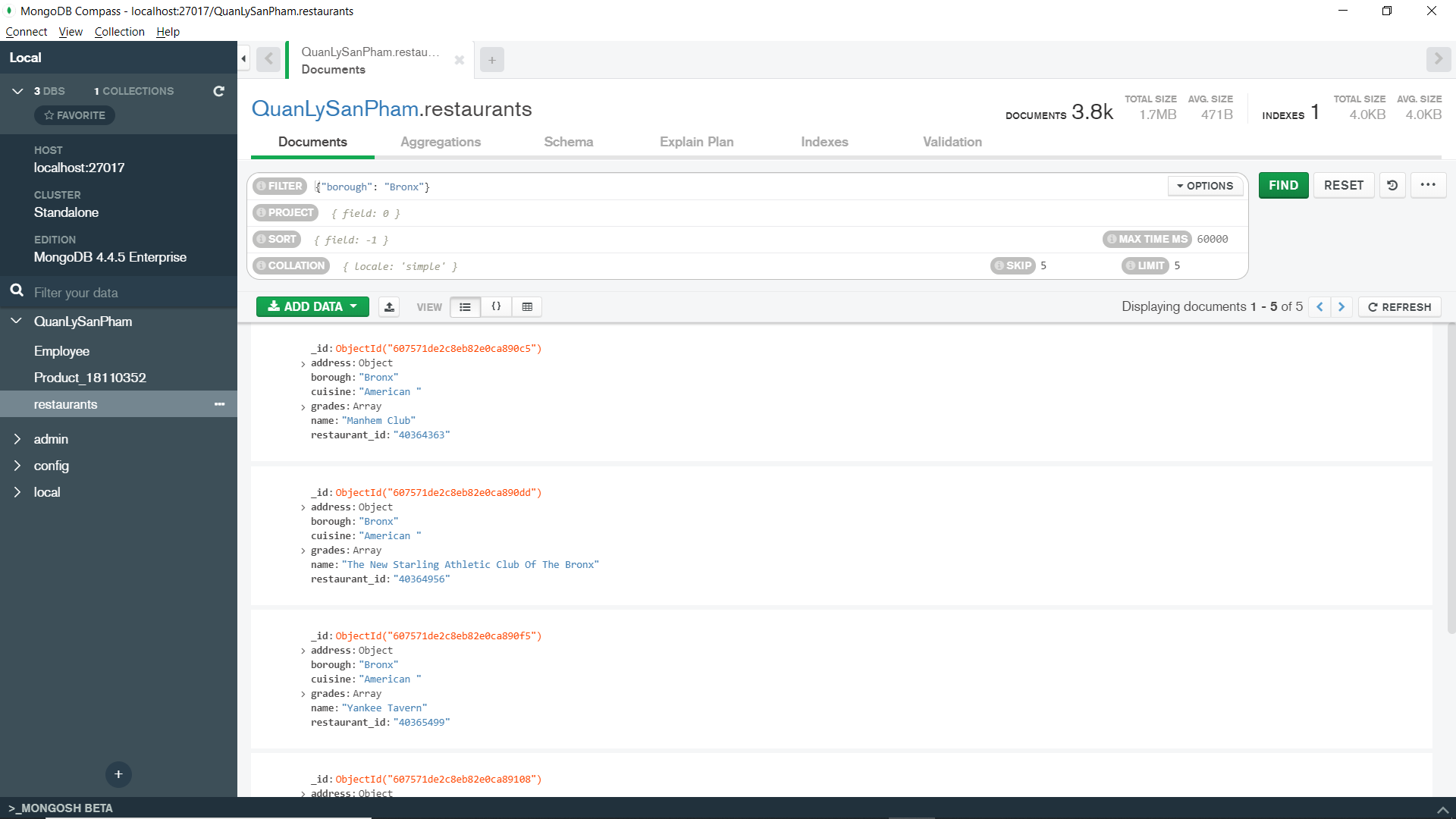
5. Write a MongoDB query to display all the restaurant which is in the borough Bronx.



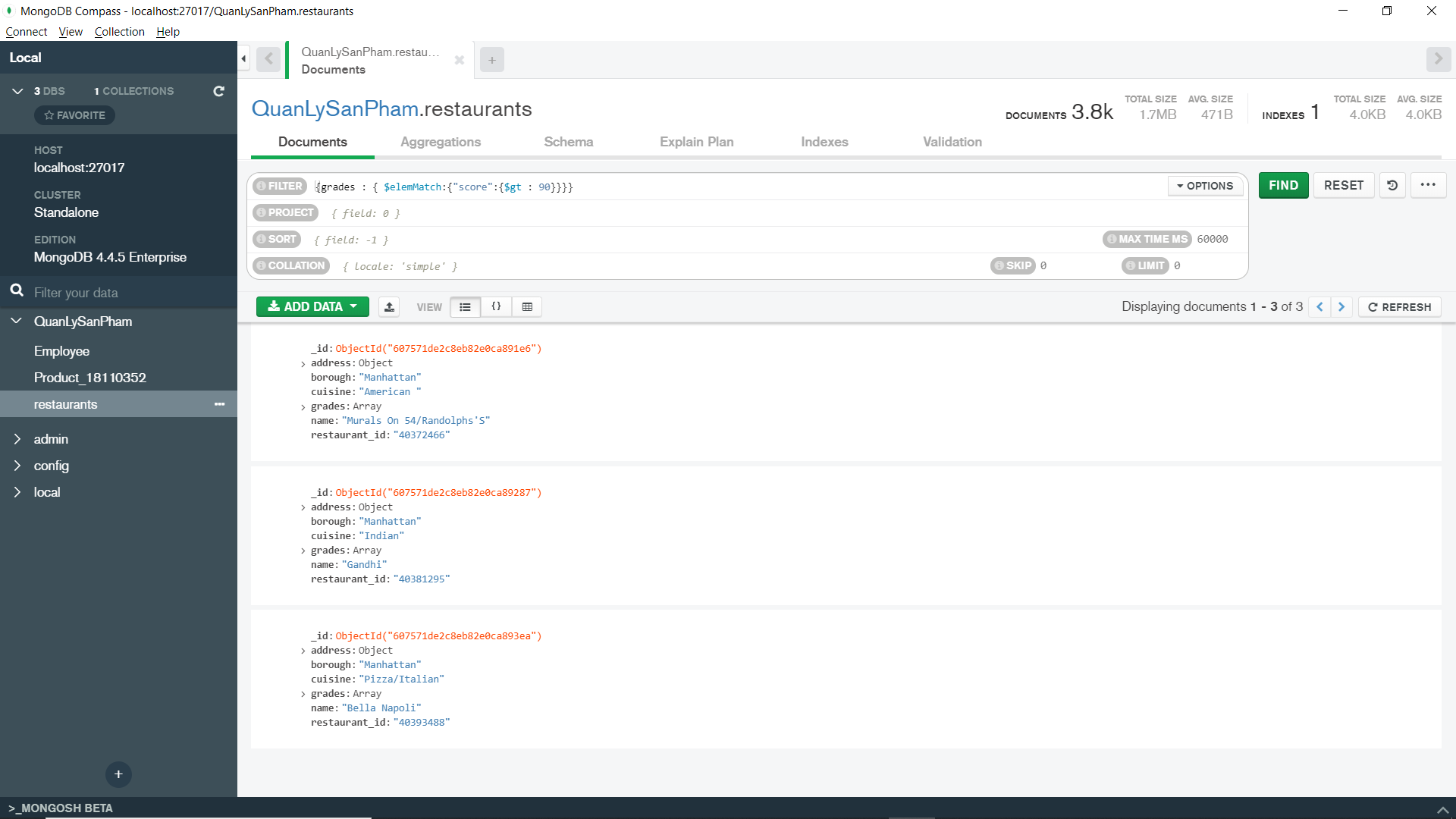
6. Write a MongoDB query to display the first 5 restaurant which is in the borough Bronx.



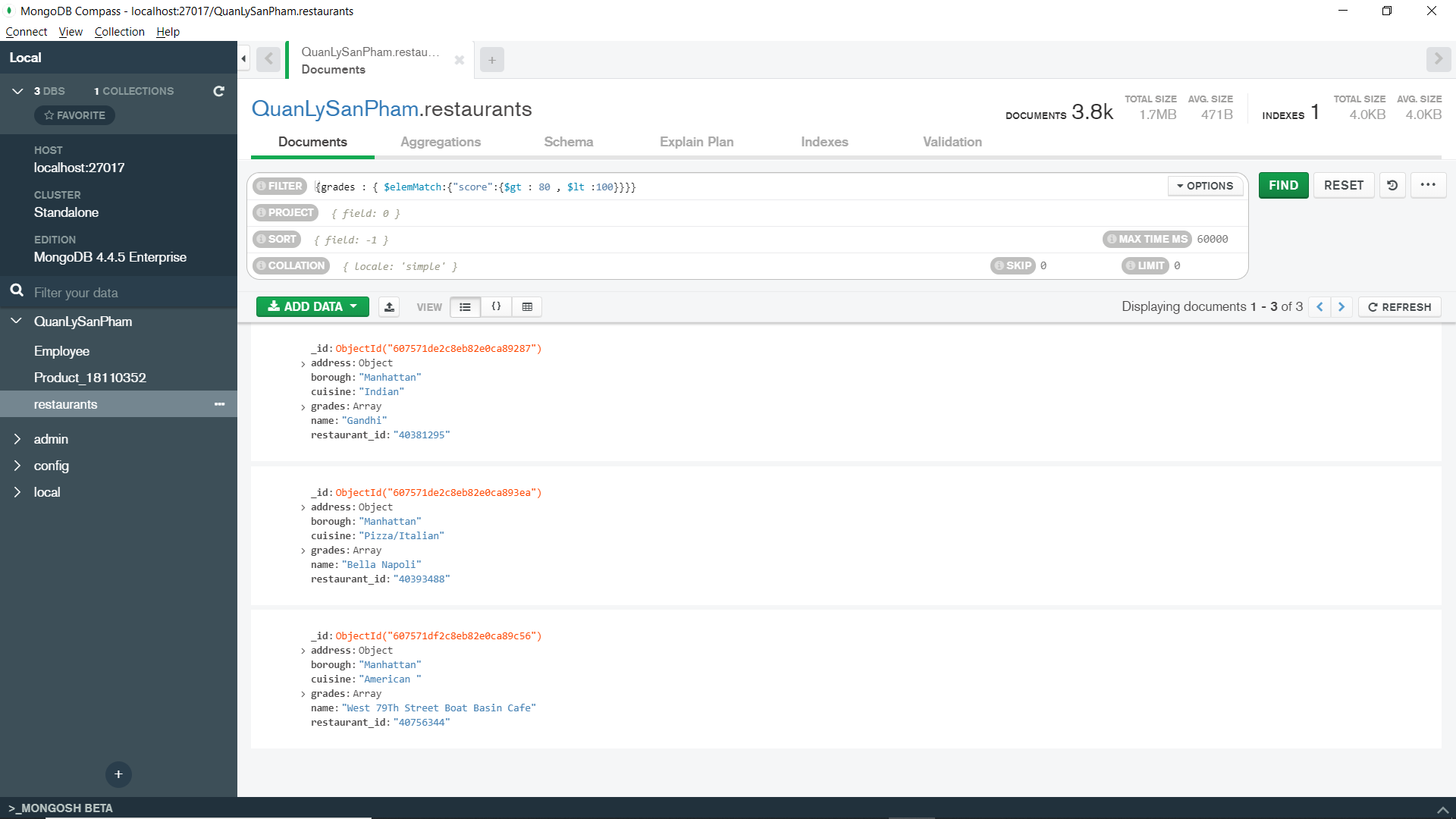
7.Write a MongoDB query to display the next 5 restaurants after skipping first 5 which are in the borough Bronx.



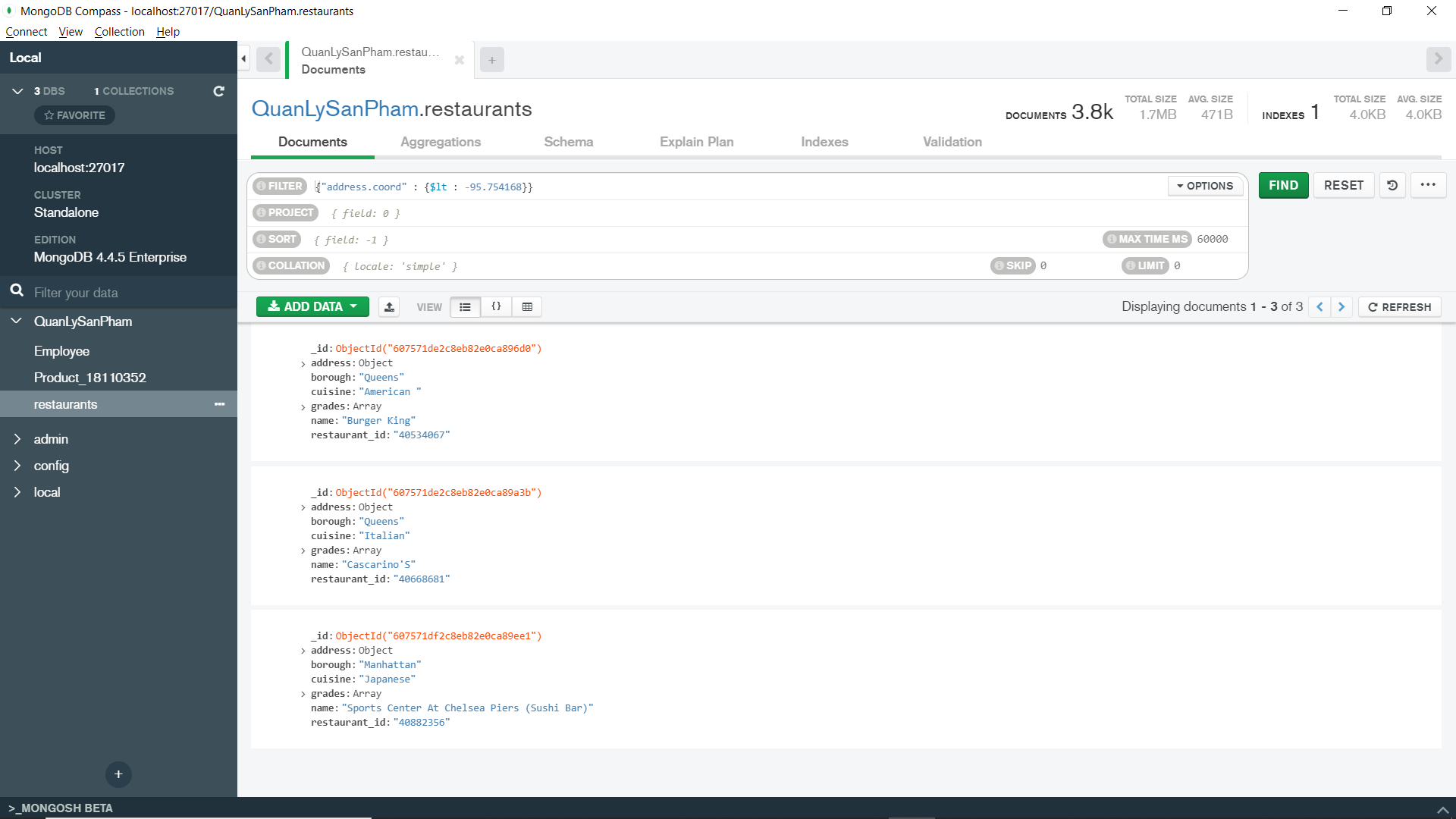
8. Write a MongoDB query to find the restaurants who achieved a score more than 90.



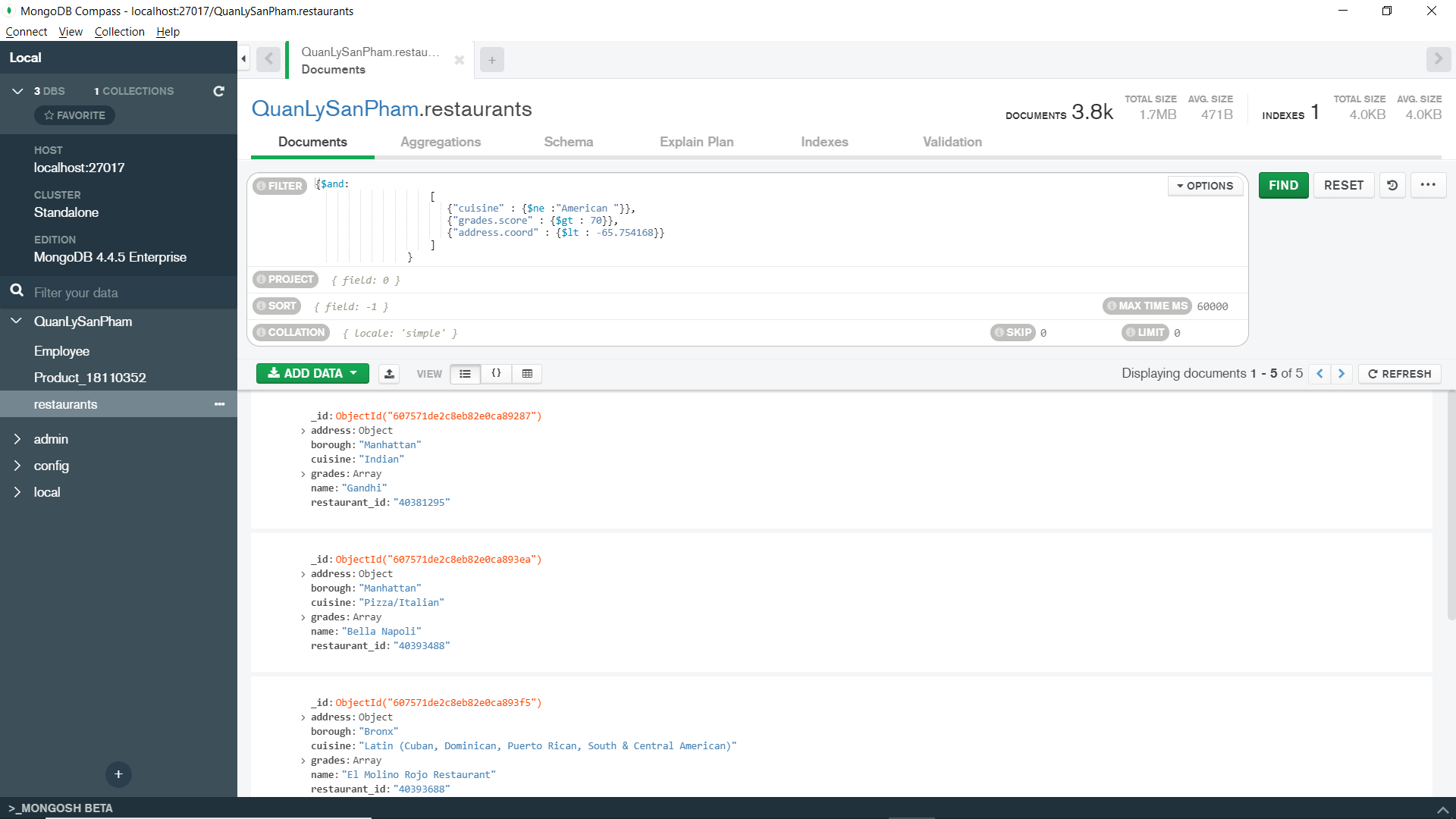
9. Write a MongoDB query to find the restaurants that achieved a score, more than 80 but less than 100.



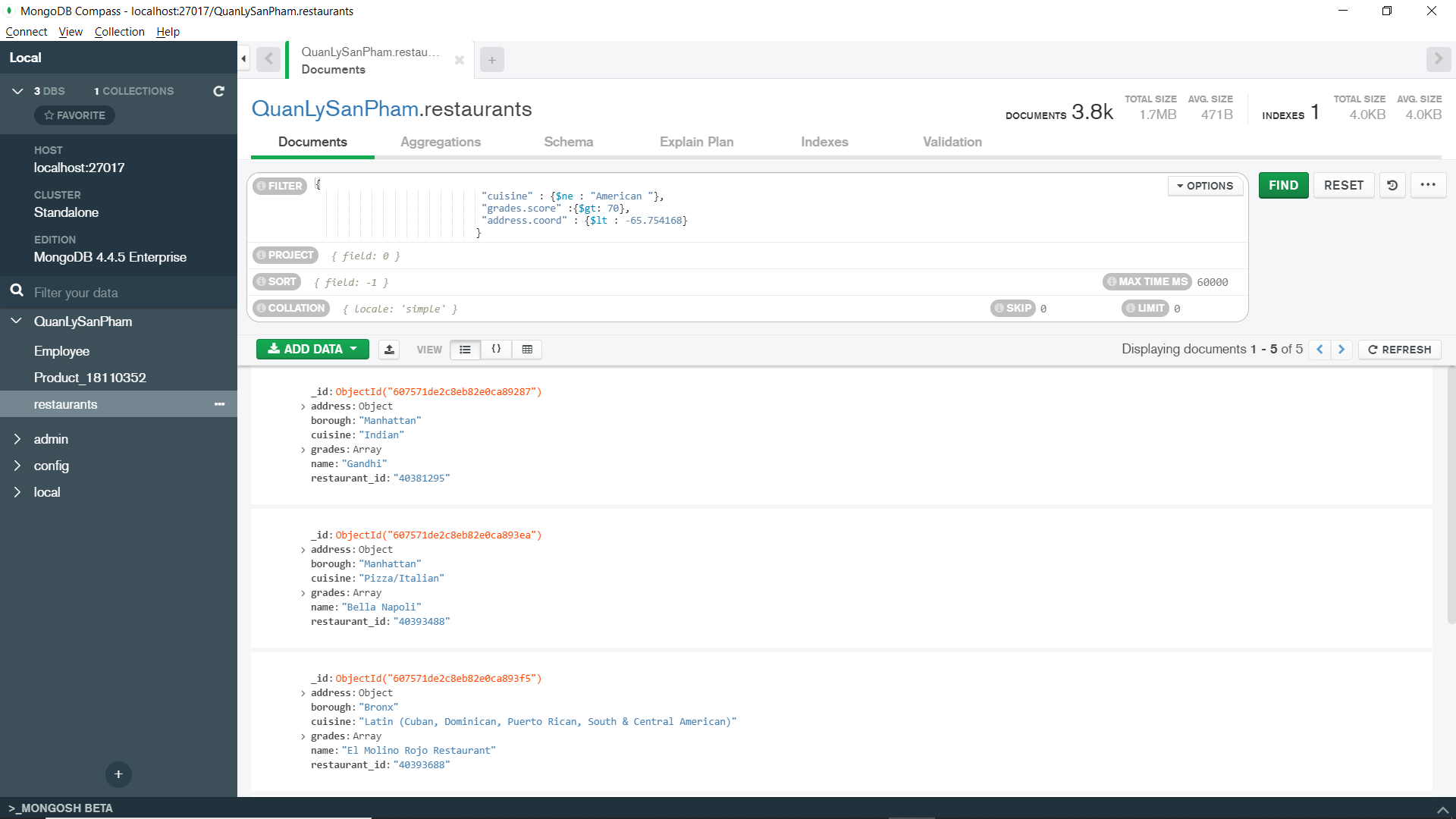
10. Write a MongoDB query to find the restaurants which locate in latitude value less than -95.754168.



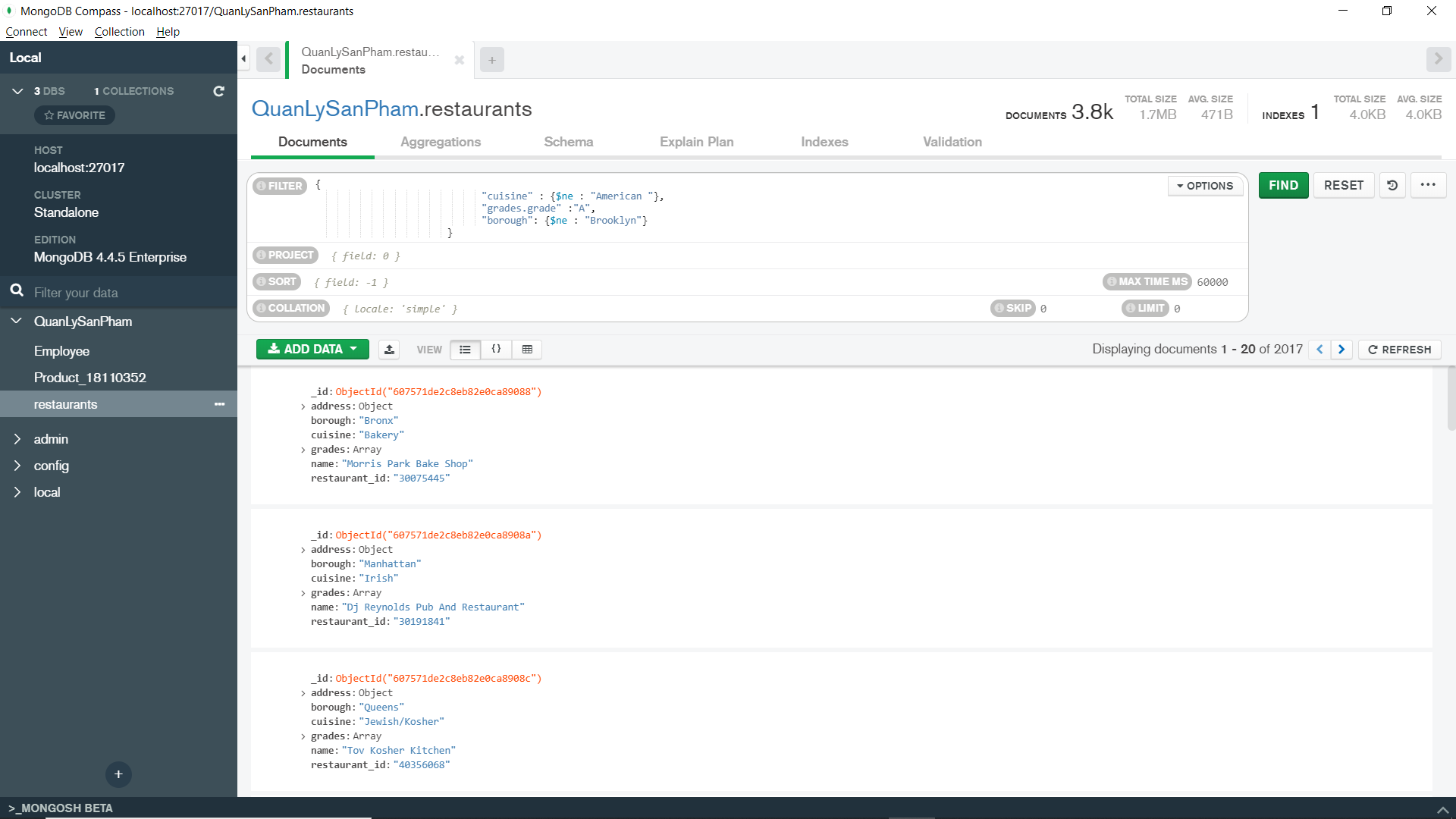
11. Write a MongoDB query to find the restaurants that do not prepare any cuisine of 'American' and their grade score more than 70 and latitude less than -65.754168.



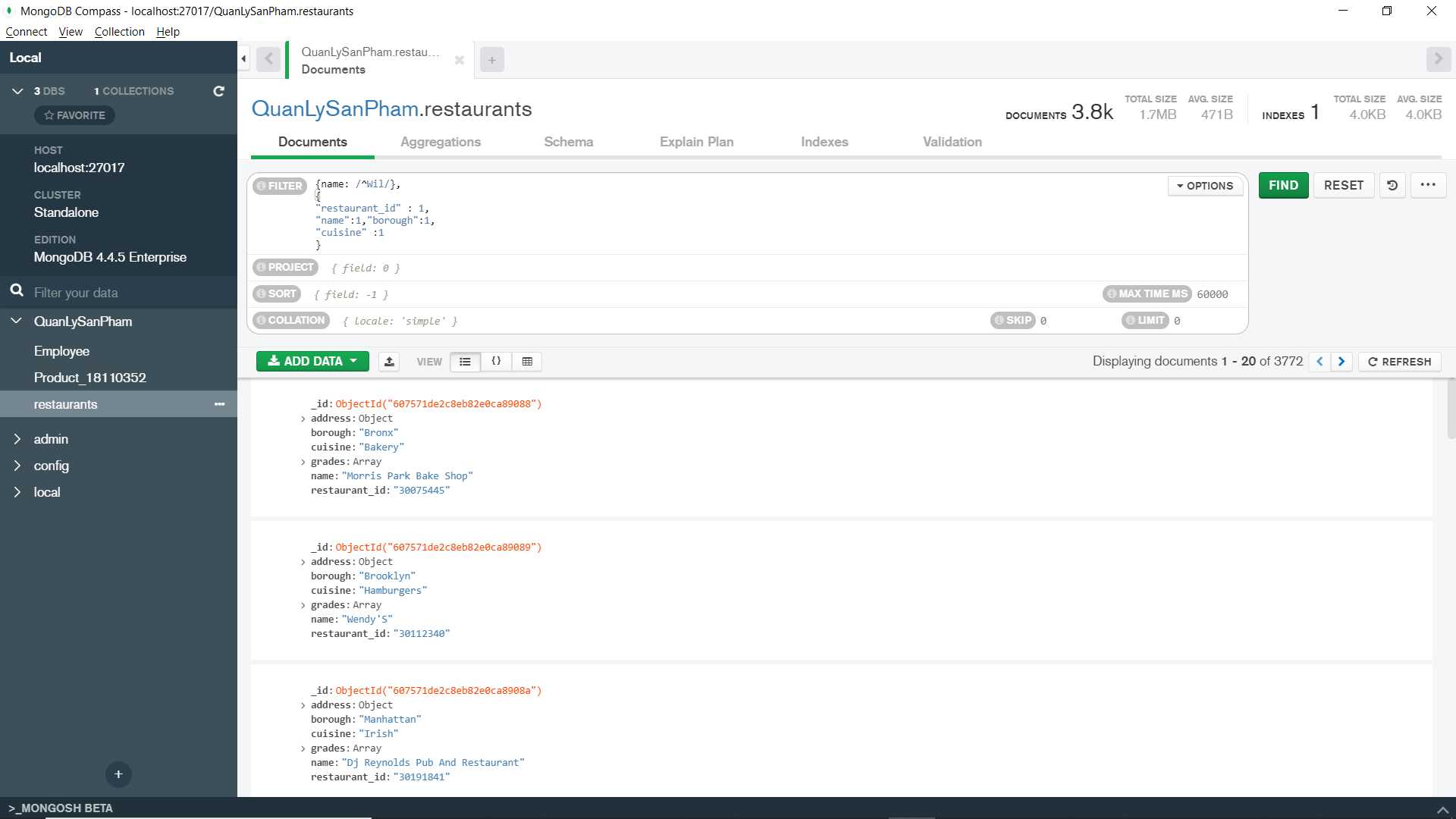
12. Write a MongoDB query to find the restaurants which do not prepare any cuisine of 'American' and achieved a score more than 70 and located in the longitude less than -65.754168.  
Note : Do this query without using $and operator.



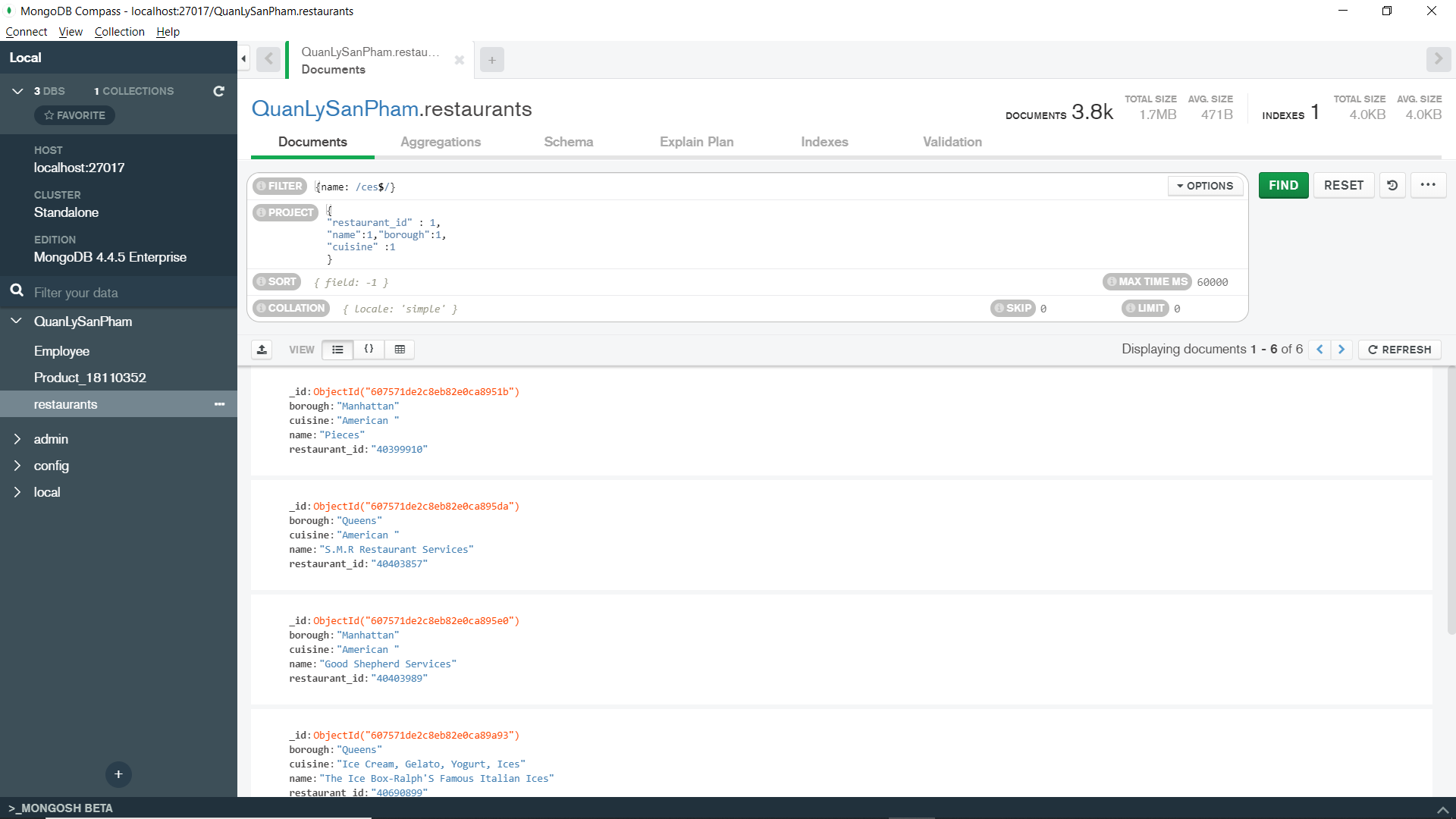
13. Write a MongoDB query to find the restaurants which do not prepare any cuisine of 'American ' and achieved a grade point 'A' not belongs to the borough Brooklyn. The document must be displayed according to the cuisine in descending order.



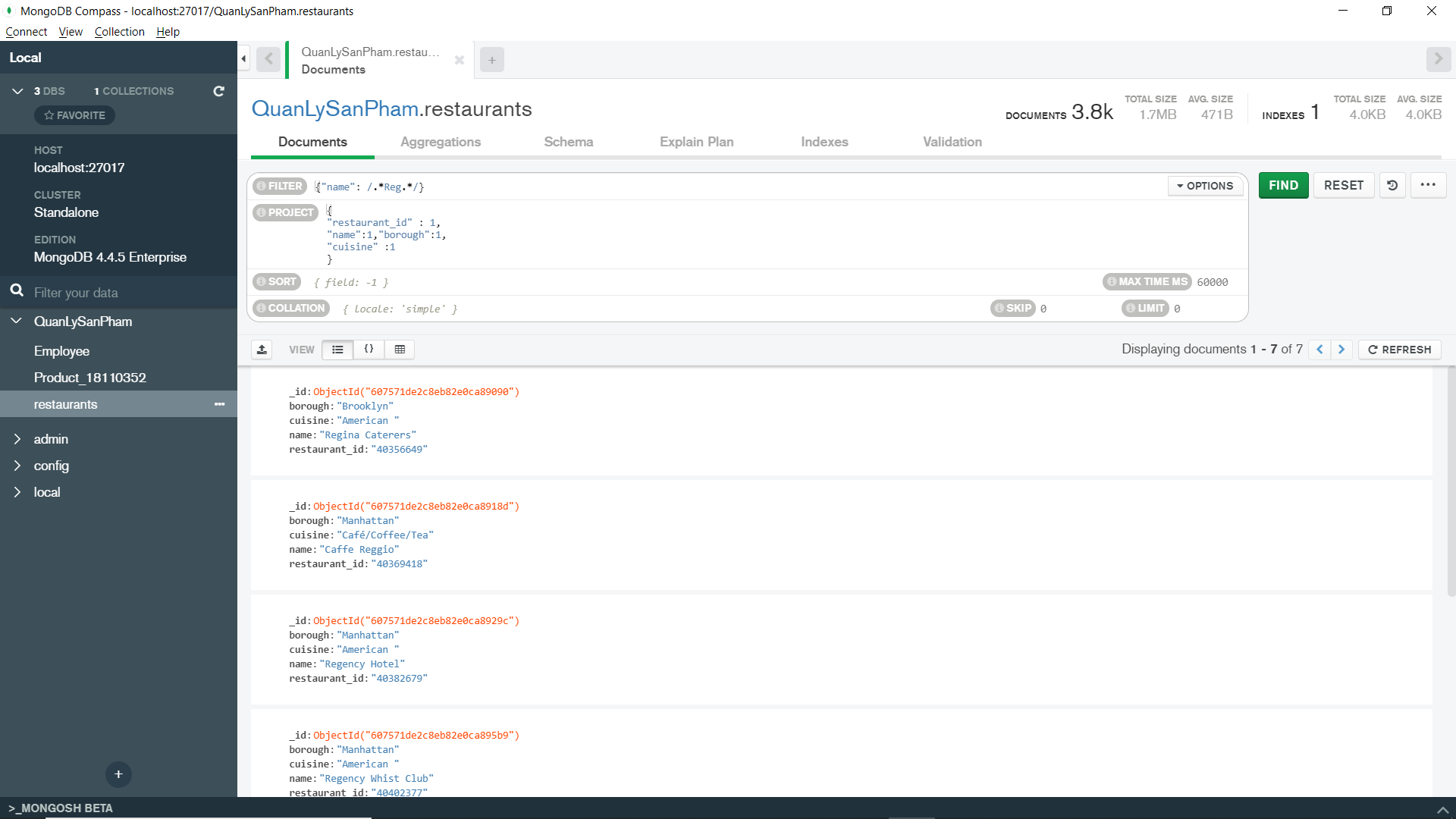
14. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which contain 'Wil' as first three letters for its name.



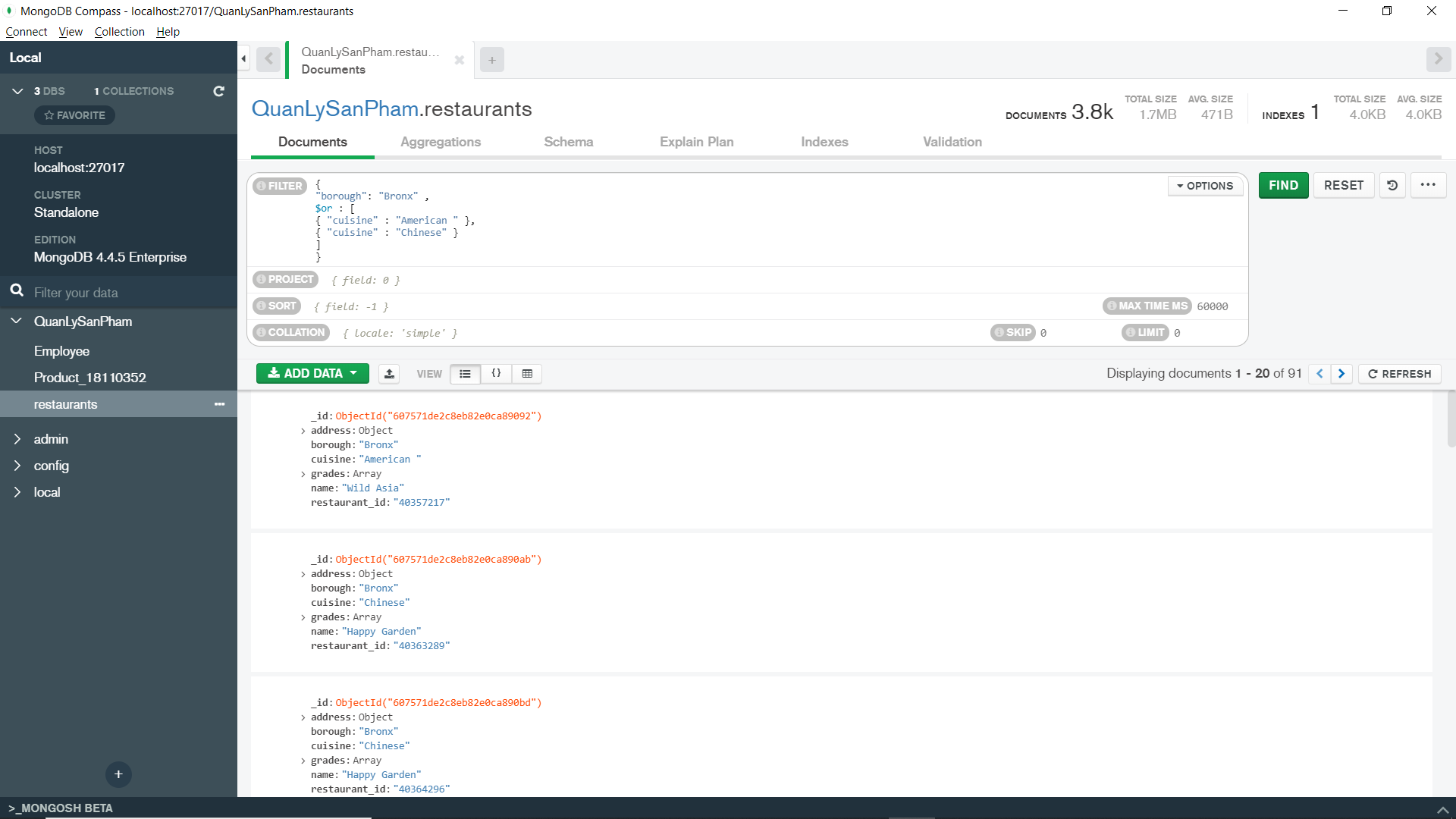
15. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which contain 'ces' as last three letters for its name.



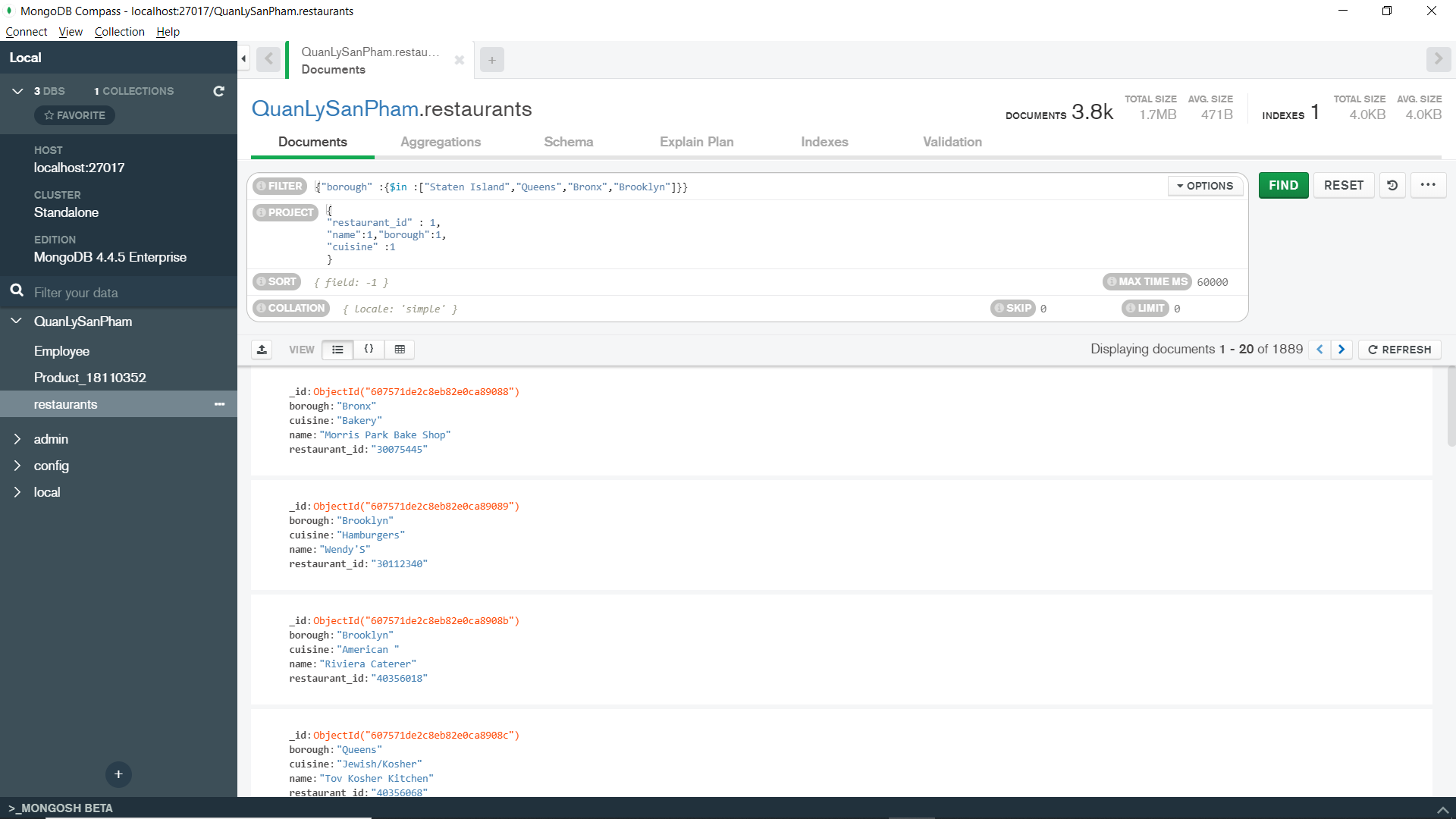
16. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which contain 'Reg' as three letters somewhere in its name.



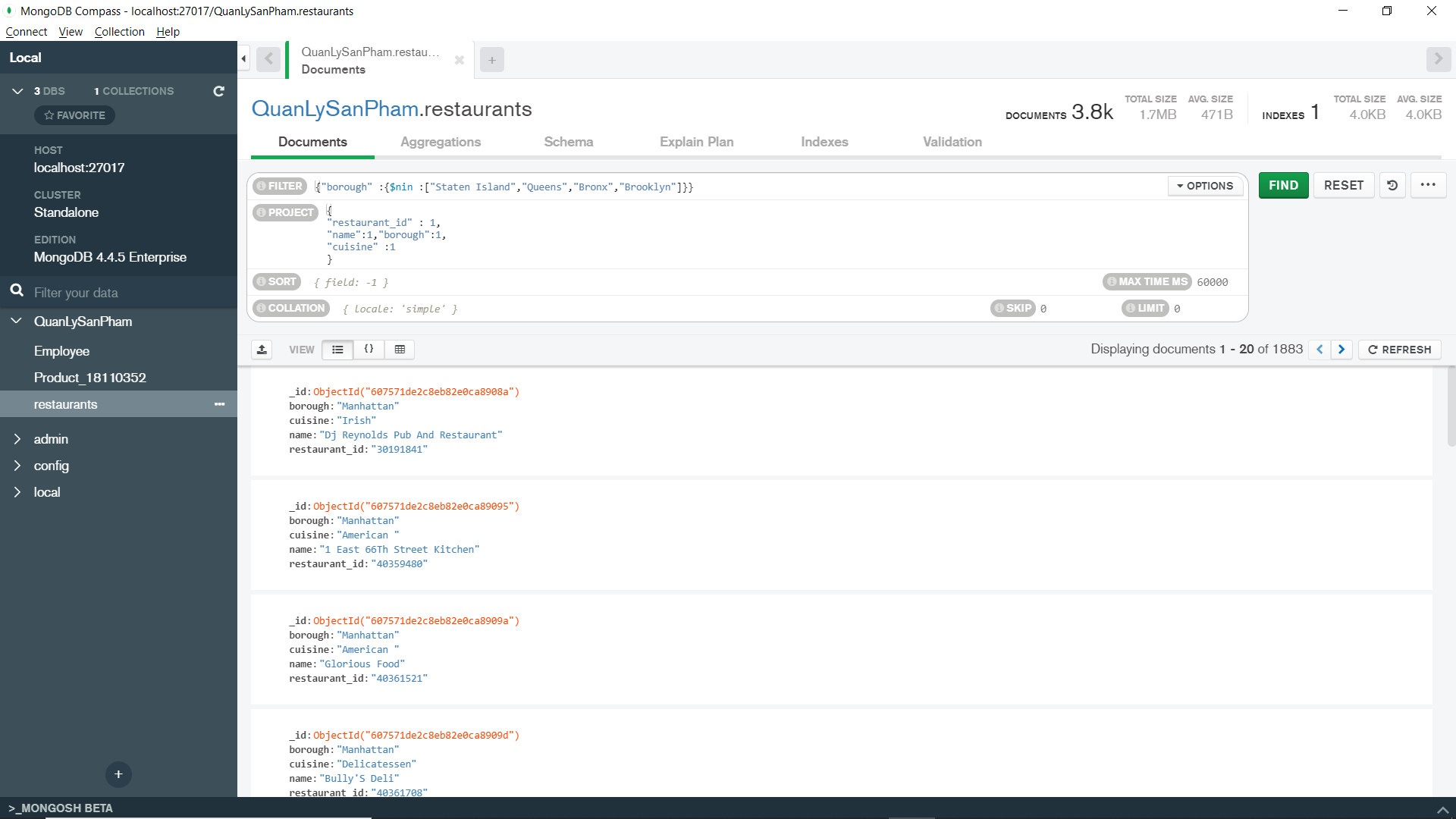
17. Write a MongoDB query to find the restaurants which belong to the borough Bronx and prepared either American or Chinese dish.



18. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which belong to the borough Staten Island or Queens or Bronxor Brooklyn.



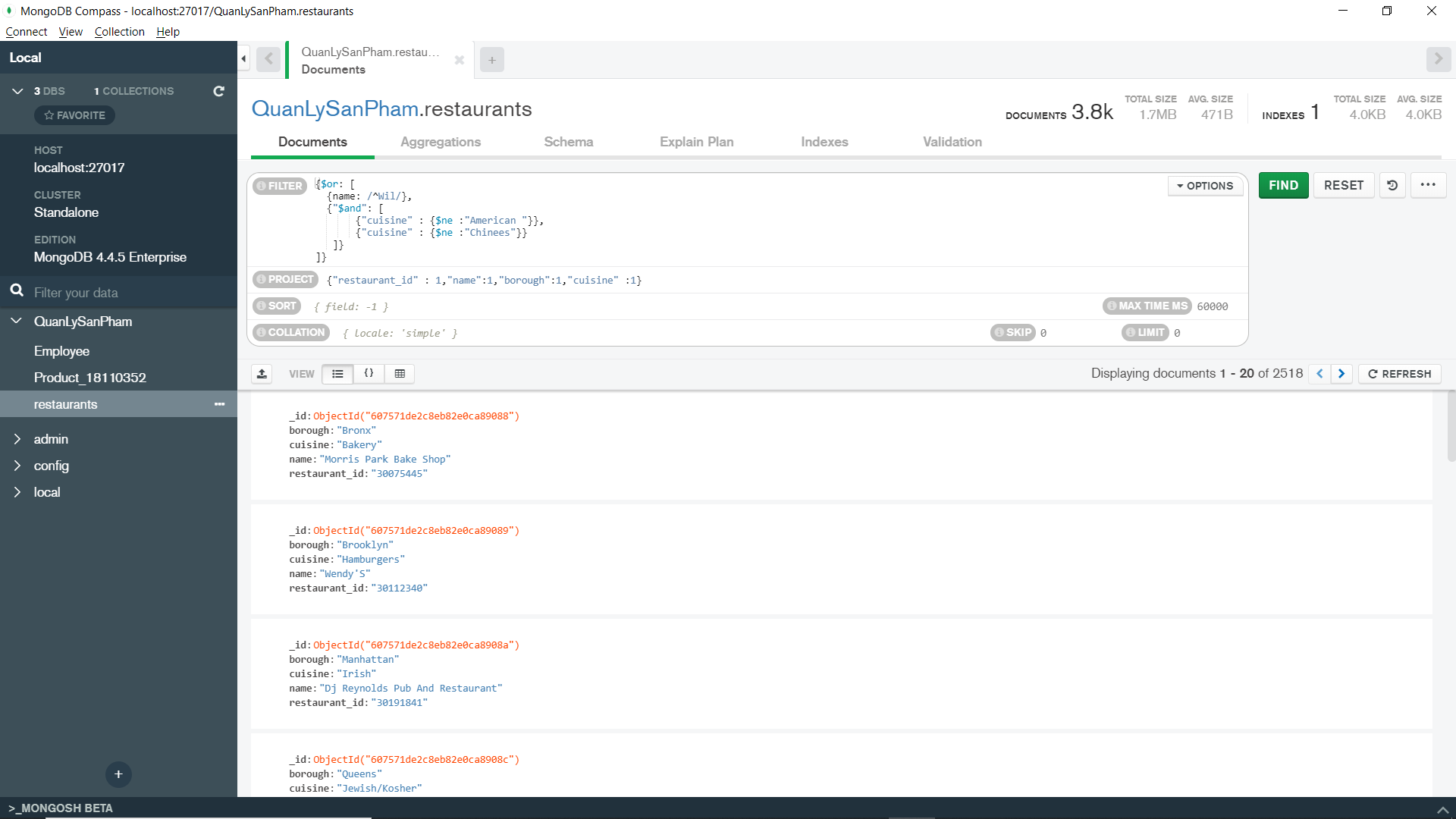
19. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which are not belonging to the borough Staten Island or Queens or Bronxor Brooklyn.



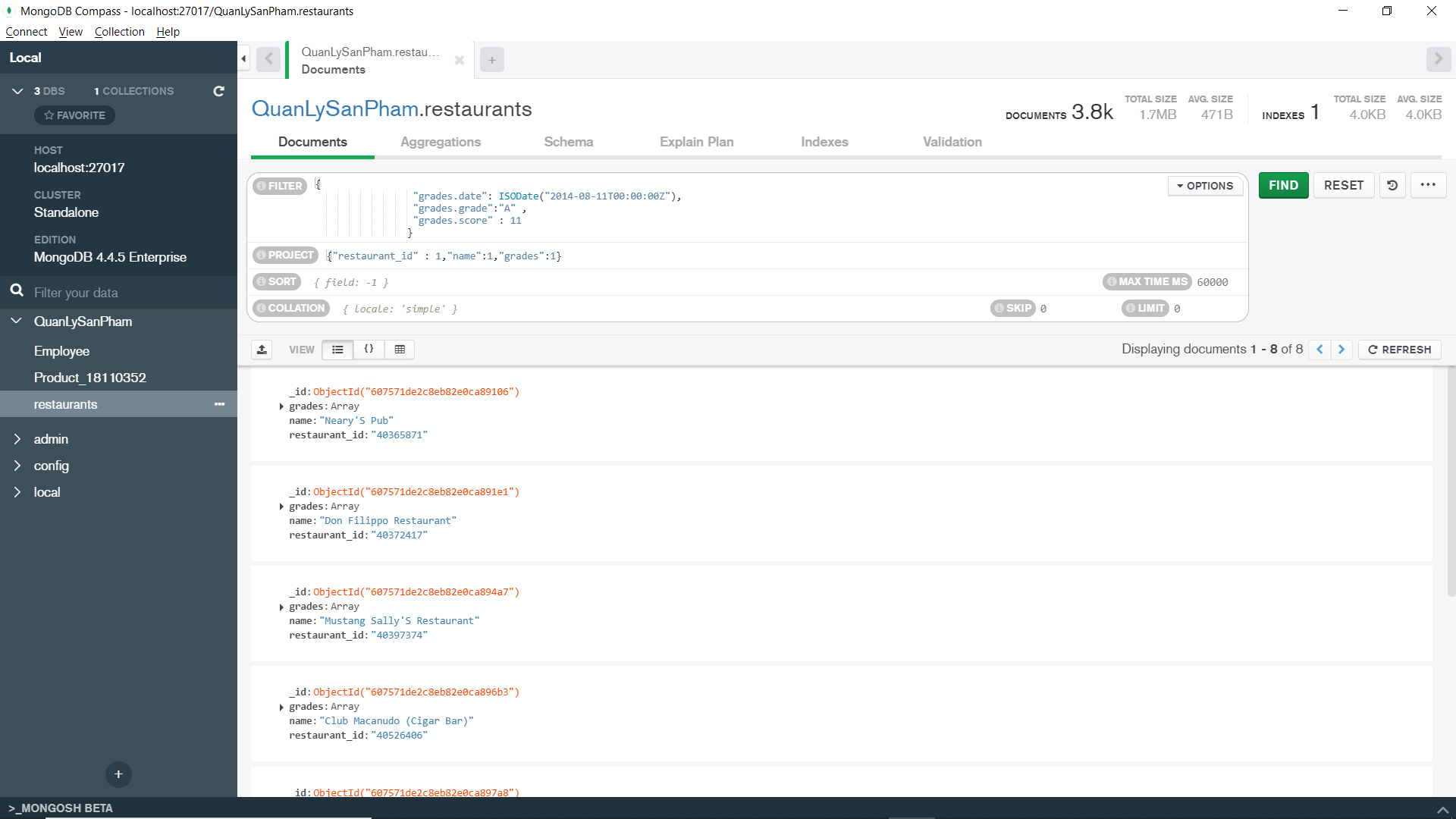
20. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which achieved a score which is not more than 10.



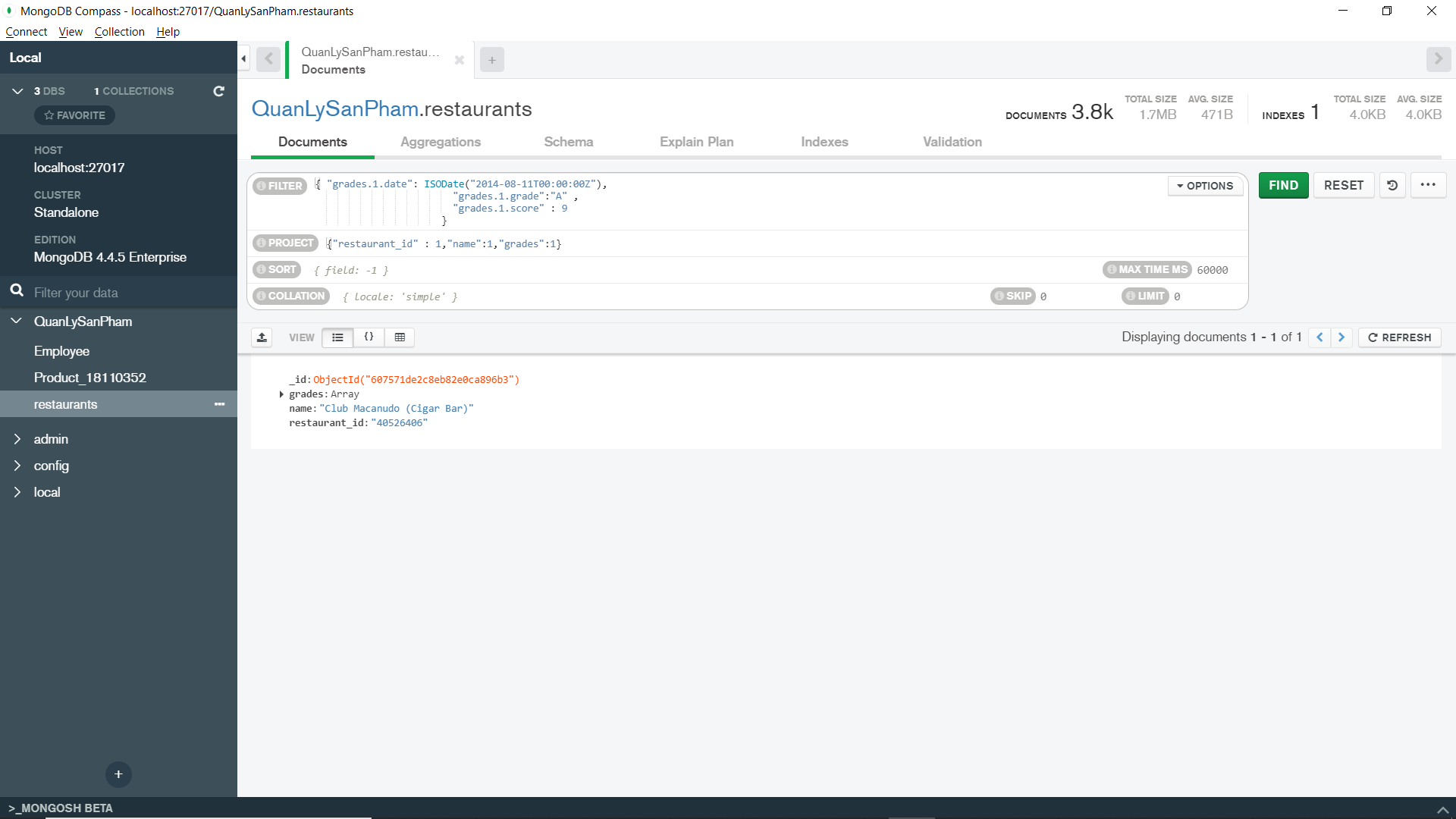
21. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which prepared dish except 'American' and 'Chinees' or restaurant's name begins with letter 'Wil'.



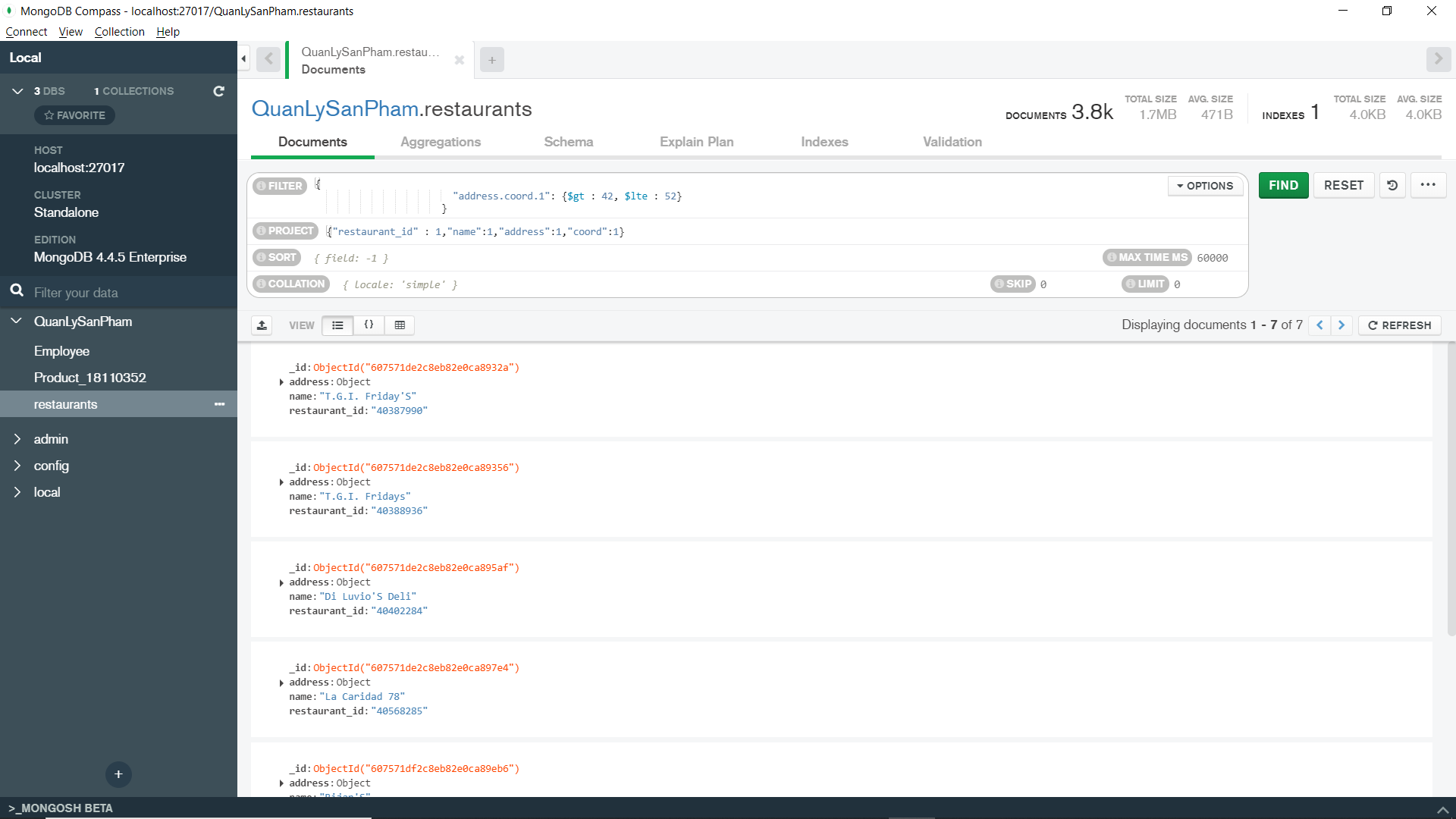
22. Write a MongoDB query to find the restaurant Id, name, and grades for those restaurants which achieved a grade of "A" and scored 11 on an ISODate "2014-08-11T00:00:00Z" among many of survey dates.



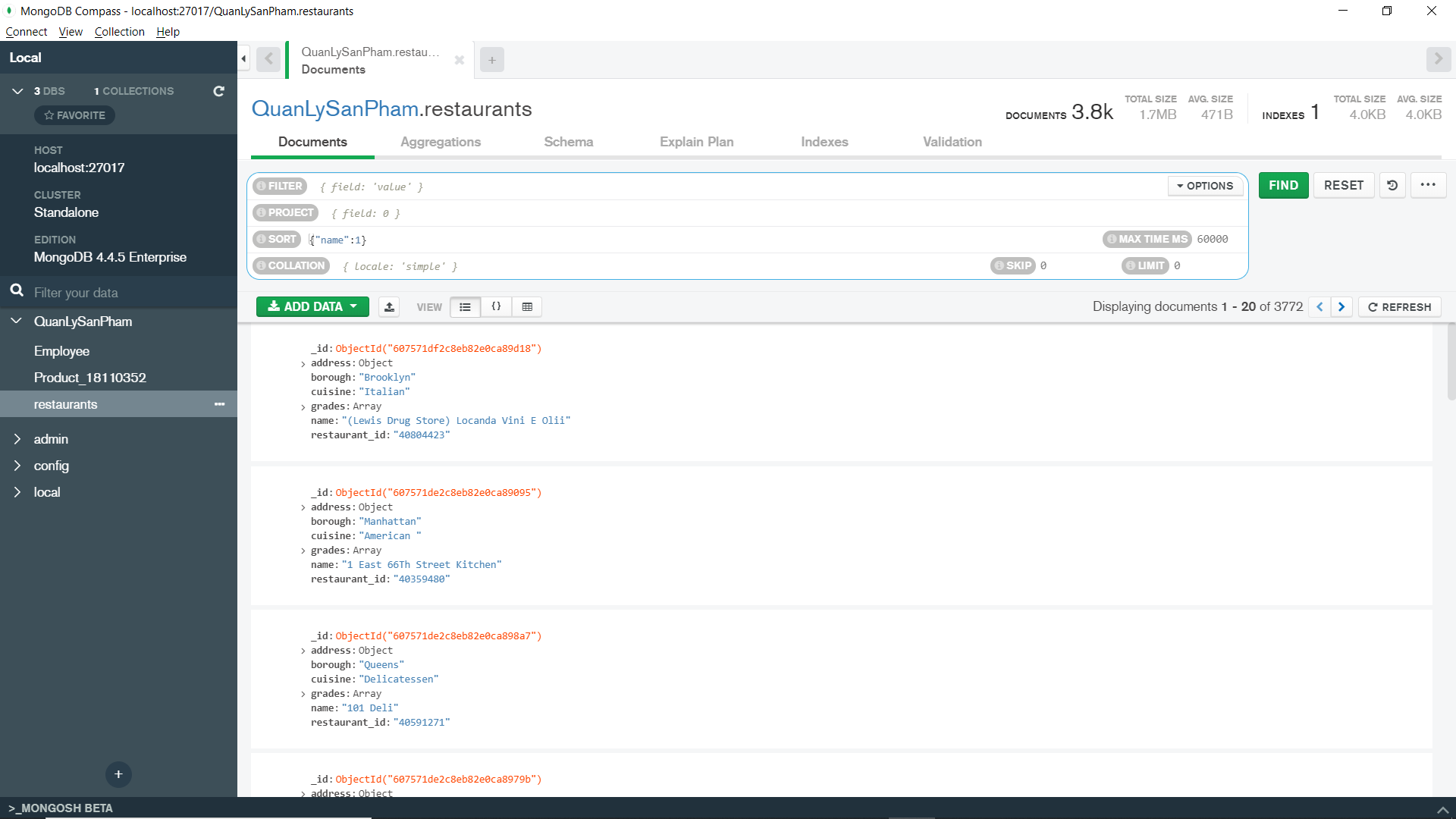
23. Write a MongoDB query to find the restaurant Id, name and grades for those restaurants where the 2nd element of grades array contains a grade of "A" and score 9 on an ISODate "2014-08-11T00:00:00Z".



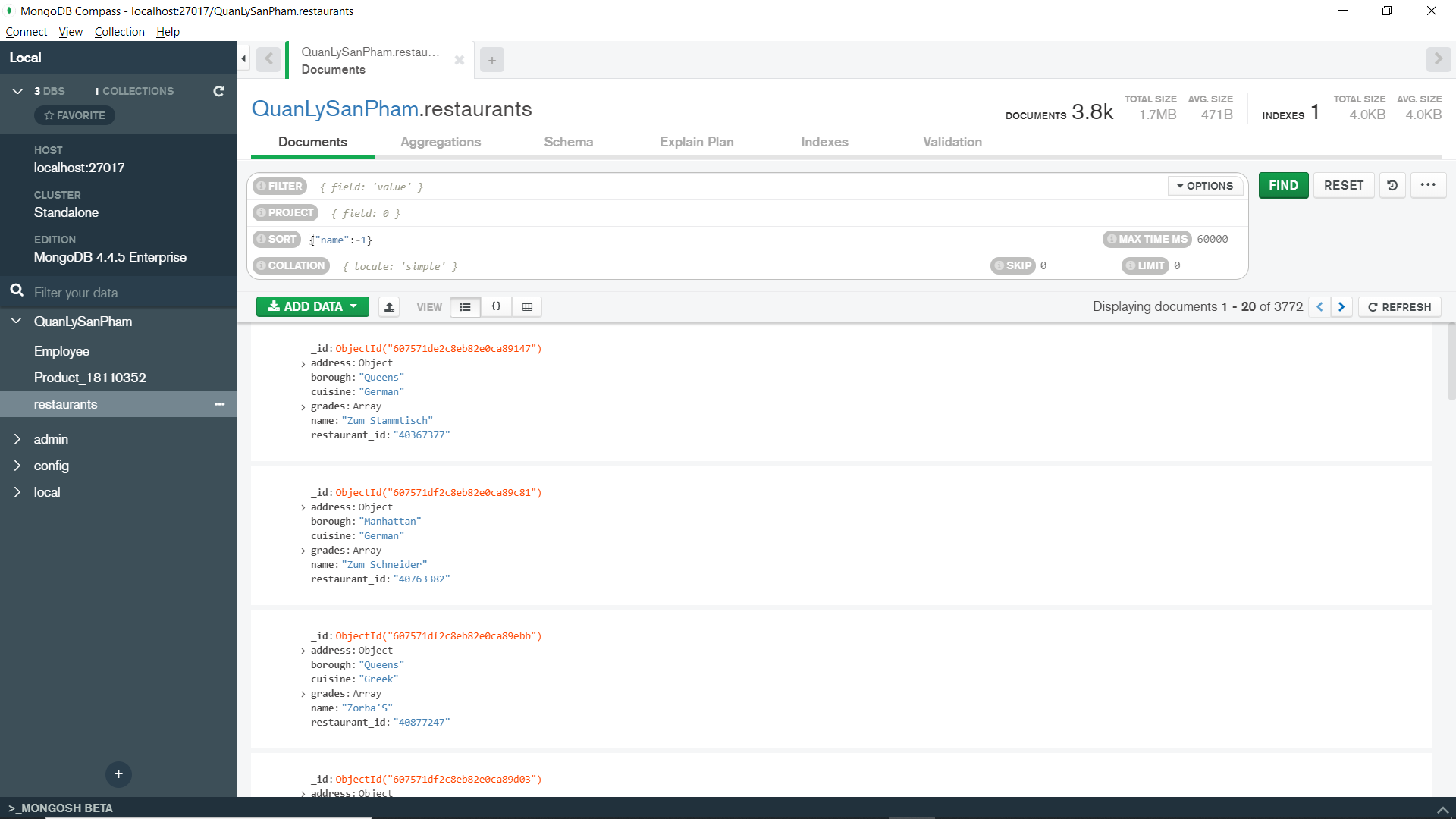
24. Write a MongoDB query to find the restaurant Id, name, address and geographical location for those restaurants where 2nd element of coord array contains a value which is more than 42 and upto 52..



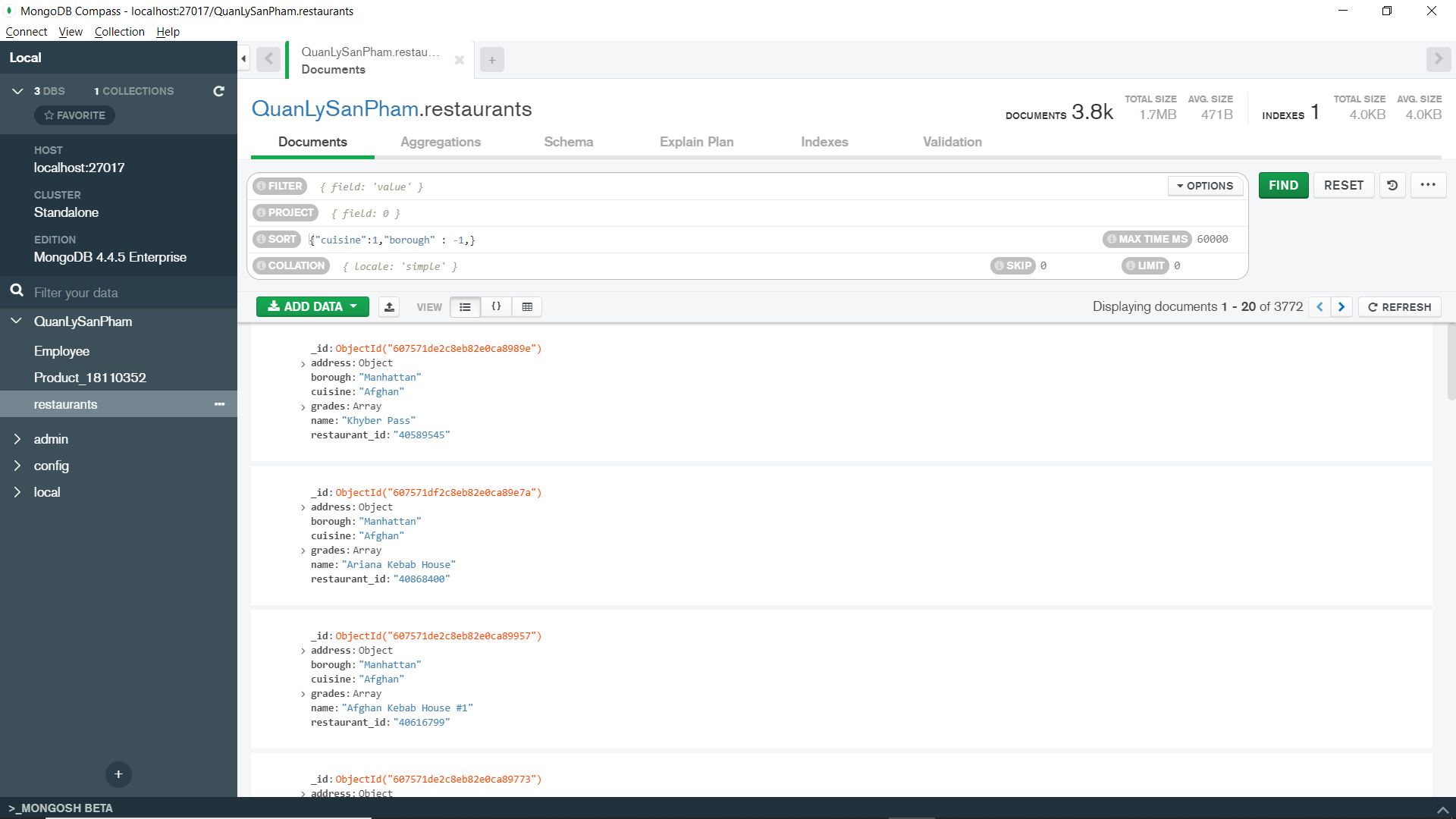
25. Write a MongoDB query to arrange the name of the restaurants in ascending order along with all the columns.



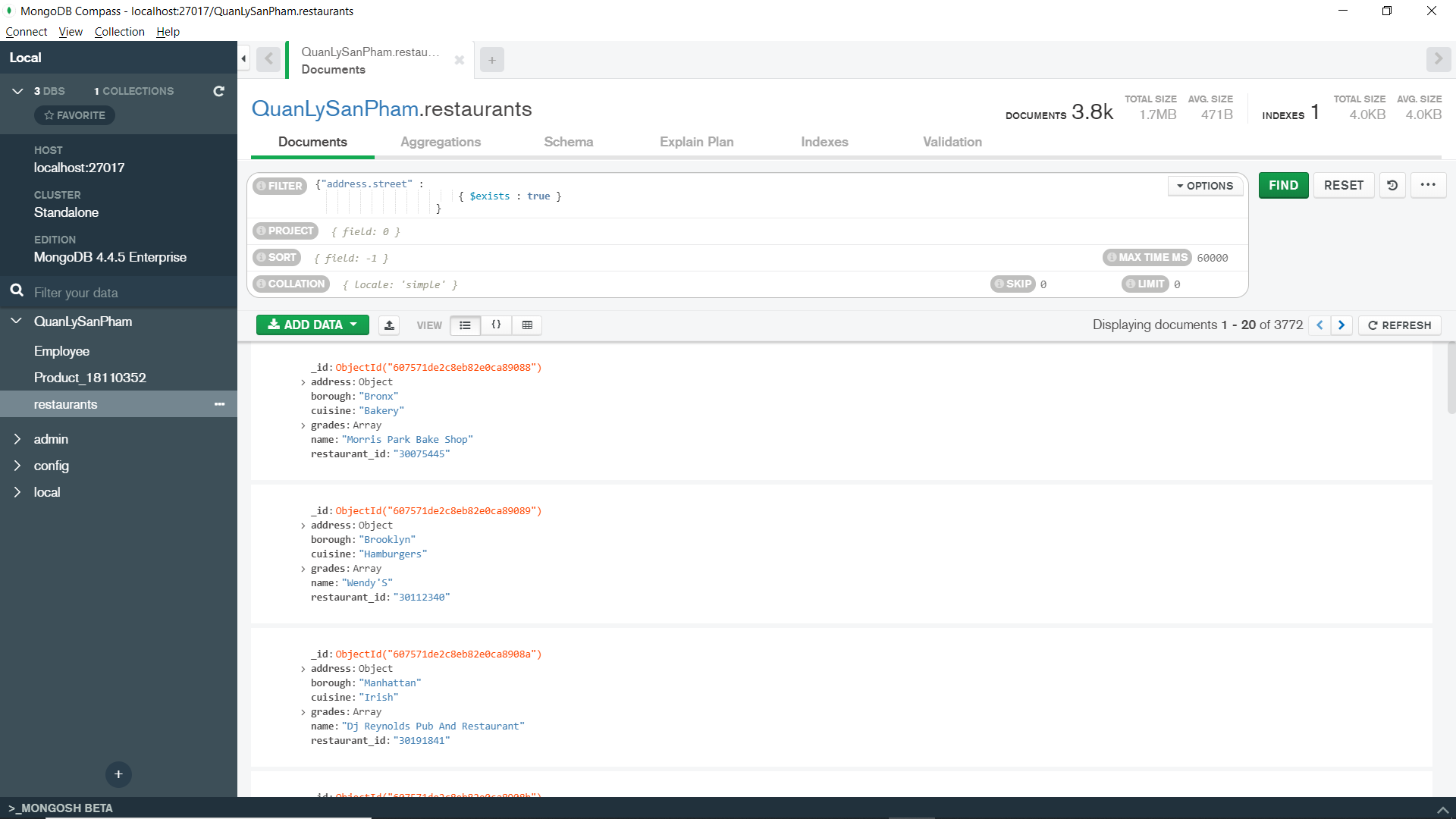
26. Write a MongoDB query to arrange the name of the restaurants in descending along with all the columns.



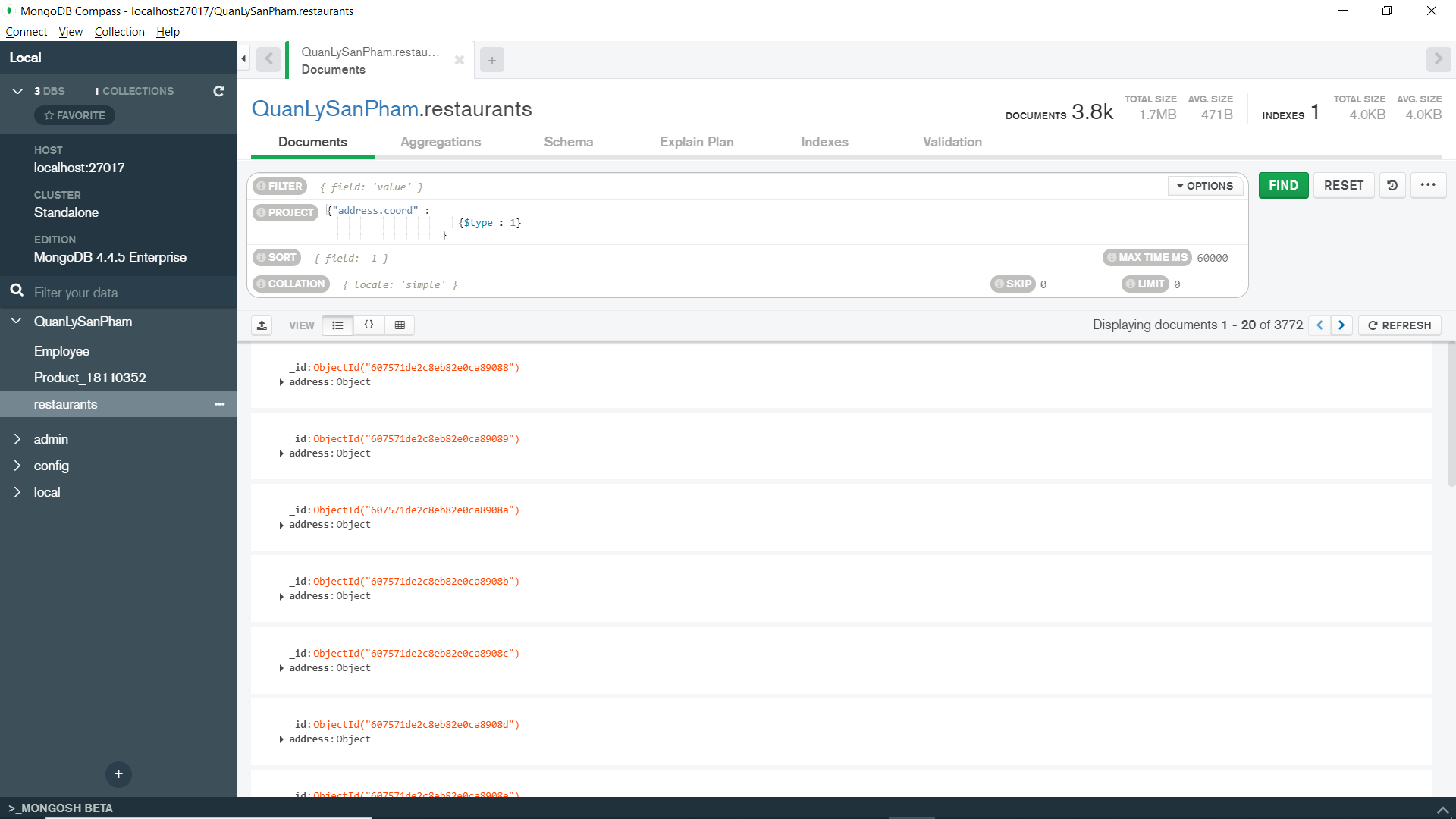
27. Write a MongoDB query to arranged the name of the cuisine in ascending order and for that same cuisine borough should be in descending order.



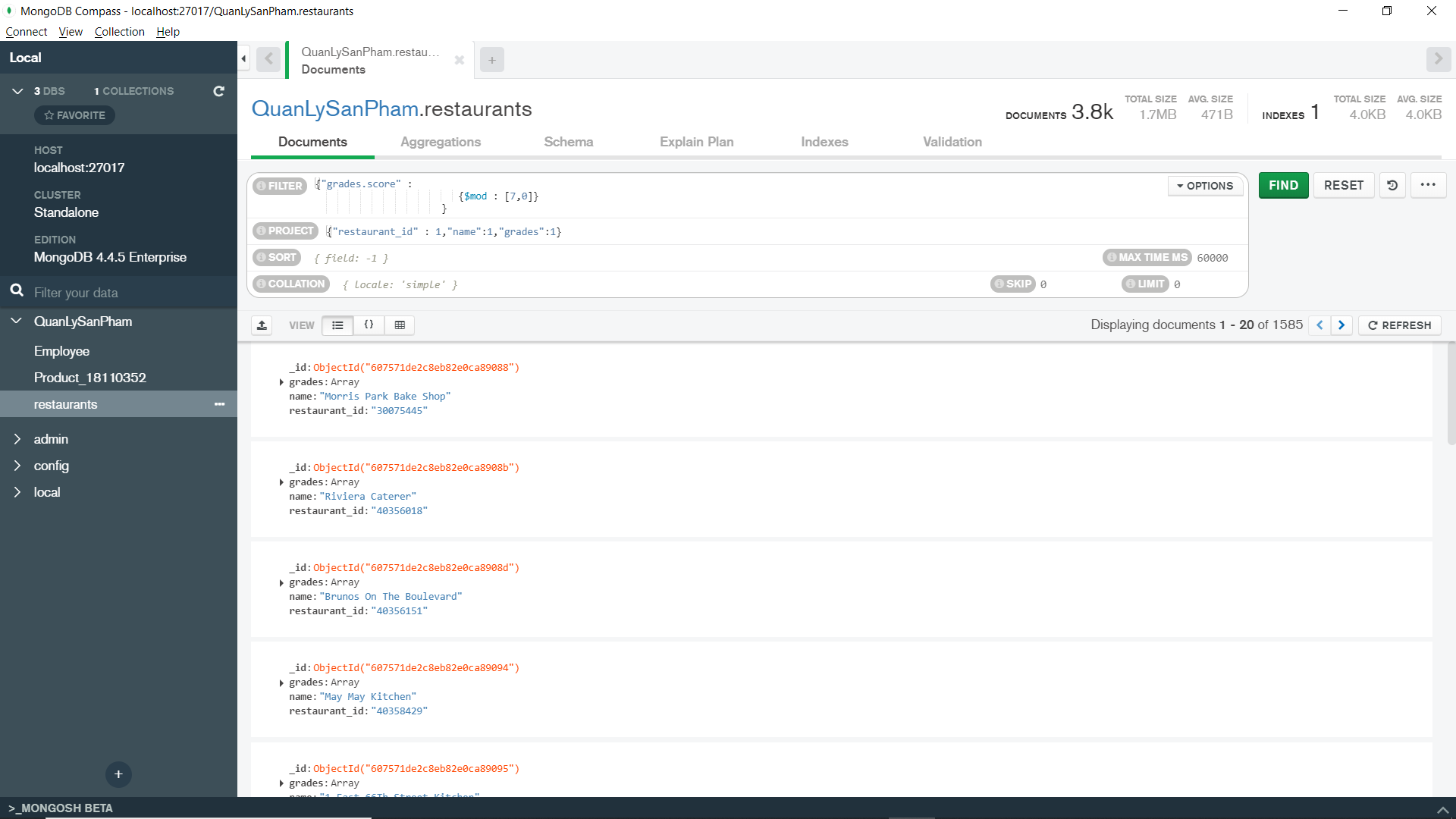
28. Write a MongoDB query to know whether all the addresses contains the street or not.



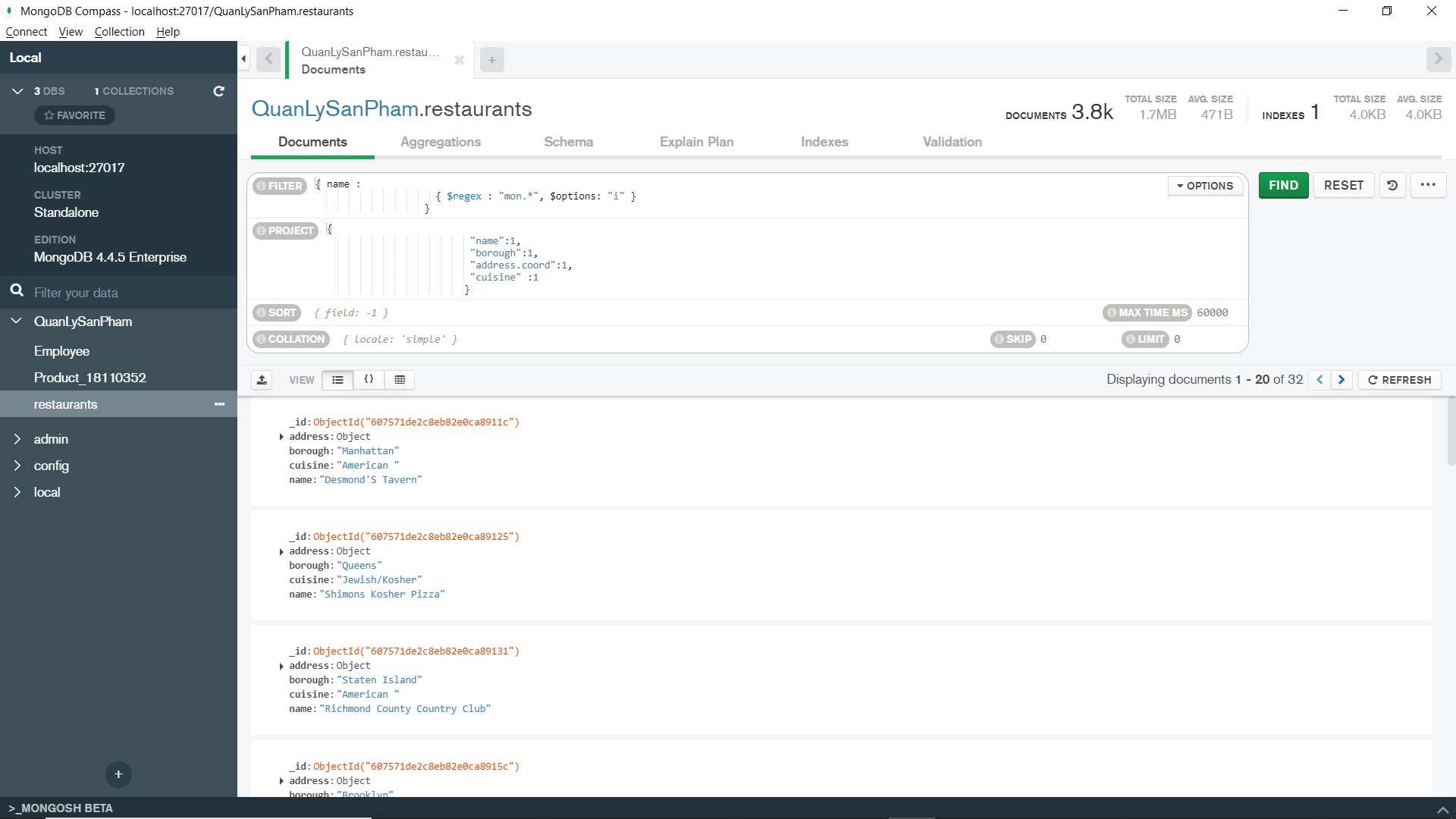
29. Write a MongoDB query which will select all documents in the restaurants collection where the coord field value is Double.



30. Write a MongoDB query which will select the restaurant Id, name and grades for those restaurants which returns 0 as a remainder after dividing the score by 7.



31. Write a MongoDB query to find the restaurant name, borough, longitude and attitude and cuisine for those restaurants which contains 'mon' as three letters somewhere in its name.



32. Write a MongoDB query to find the restaurant name, borough, longitude and latitude and cuisine for those restaurants which contain 'Mad' as first three letters of its name.

