Replication exercise
Date 27 March 2019

Do the following steps in the same order as mentioned. The output should have the screen shots of the different terminals.

1. Create a replication set of multiple instances on a single machine.

Primary node

2. Create a collection called ‘restaurants’ having the following fields
   - Address, name, id, cusine, star, locality, grade which is an embedded document having date, grade, score.
3. Add 10 records.

11. Update 3 documents that have 3 star in Jayanagar to 4 stars

12. Update the grade of restaurants that are in MG Road.

Secondary node

4. Write a MongoDB query to display all the documents in the collection restaurants.
5. Write a MongoDB query to display the fields restaurant_id, name and cuisine for all the documents in the collection restaurant.
6. Write a MongoDB query to display the first 5 restaurant which is in the locality “RR Nagar”.
7. 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.
8. Write a MongoDB query to arranged the name of the cuisine in ascending order and for that same cuisine, locality should be in descending order.
9. 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 "2018-02-11T00:00:00Z".
10. Write a MongoDB query to arrange the name of the restaurants in ascending order along with all the columns.

13. Display the newly added documents.

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

15. Write a MongoDB query to find the restaurants that do not prepare any cuisine of 'Mughlai' and their grade score more than 70.

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

17. 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.

18. Write a MongoDB query to find the restaurants which belong to the locality ‘MGRoad’ and prepared either Italian or Chinese dish.