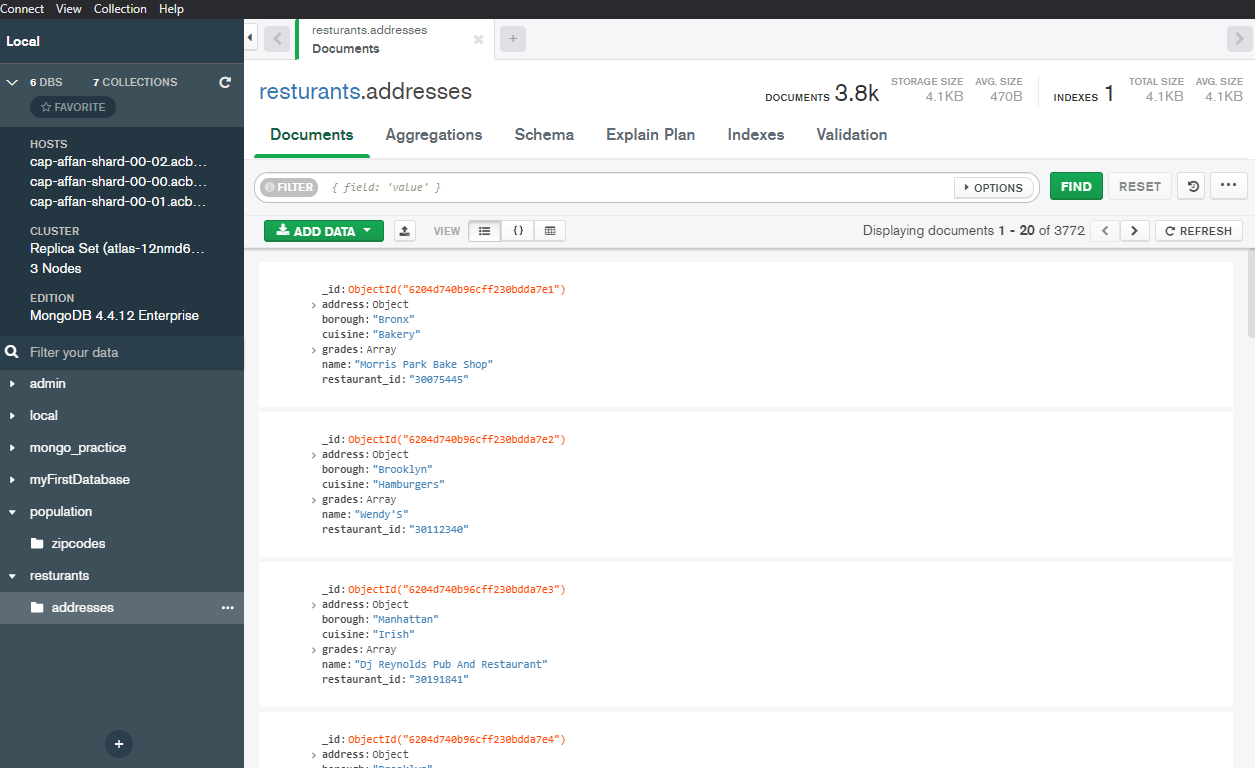
**Mongo DB Exercises - With the Restaurants Data Set**

**1. Download the restaurants.zip file**

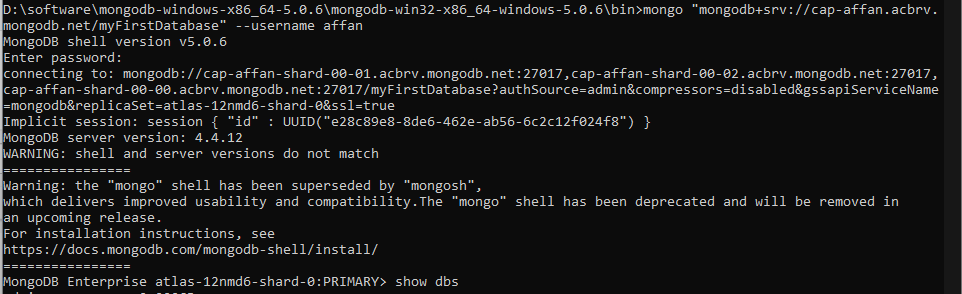
**2. Unzip the file, you will see restaurants.json file**

**3. Run the mongod server**

**4. Run the following command to import the json file provided. It will load the json file into the mongodb with database name - restaurants, collections name - addresses**

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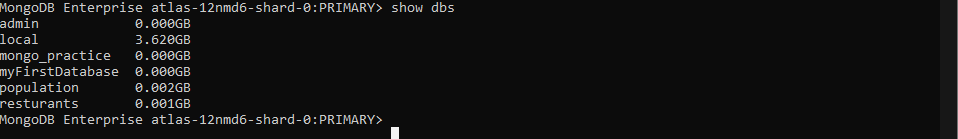
**5. Run mongo shell command**

****

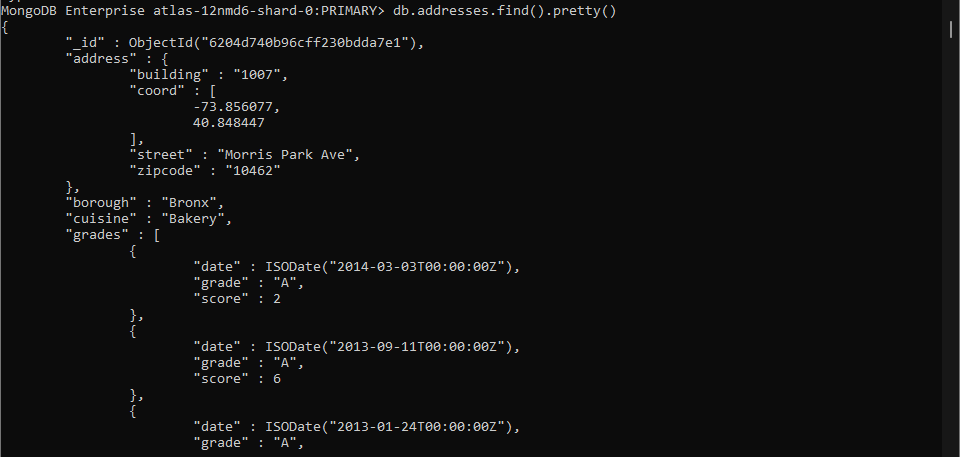
**6. show databases**

**7. use restaurants**

**8. db.addresses.find() should print entire json data**

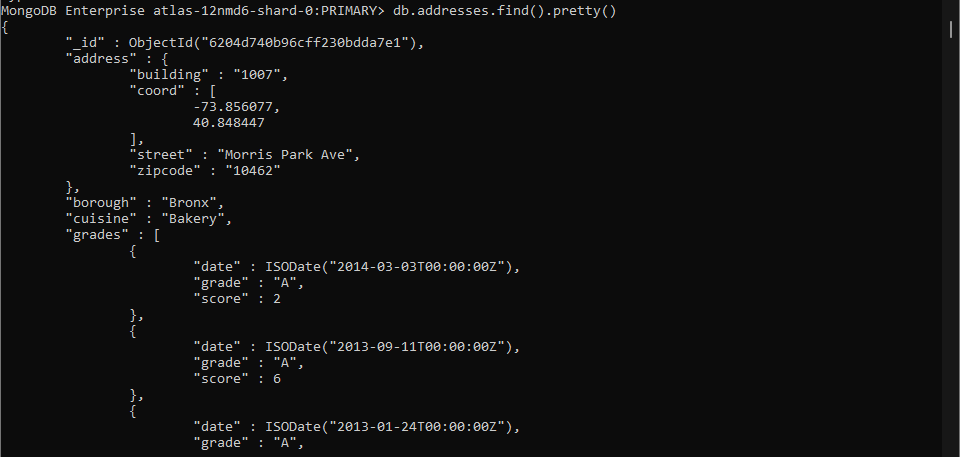
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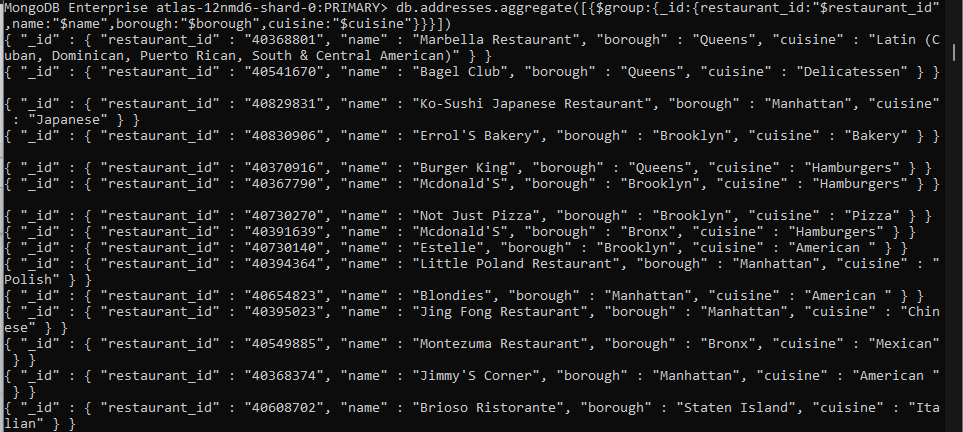
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**Exercise Questions**

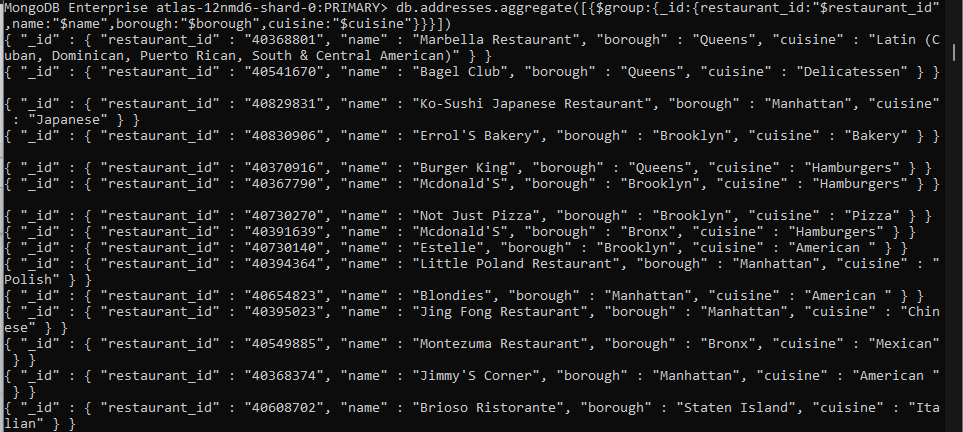
1. **Write a MongoDB query to display all the documents in the collection restaurants.**

****

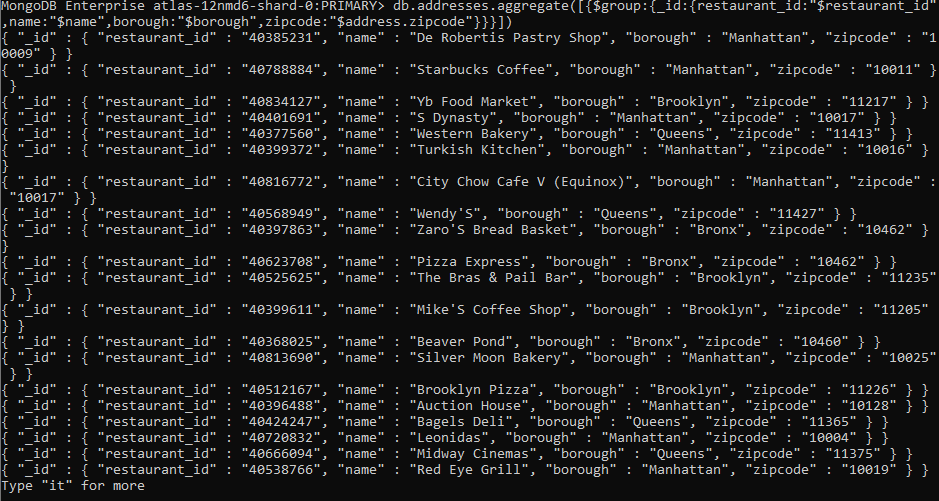
1. **Write a MongoDB query to display the fields restaurant\_id, name, borough and cuisine for all the documents in the collection restaurant.**

****

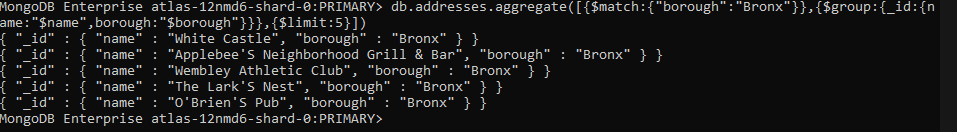
1. **Write a MongoDB query to display the fields restaurant\_id, name, borough and cuisine, but exclude the field \_id for all the documents in the collection restaurant.**

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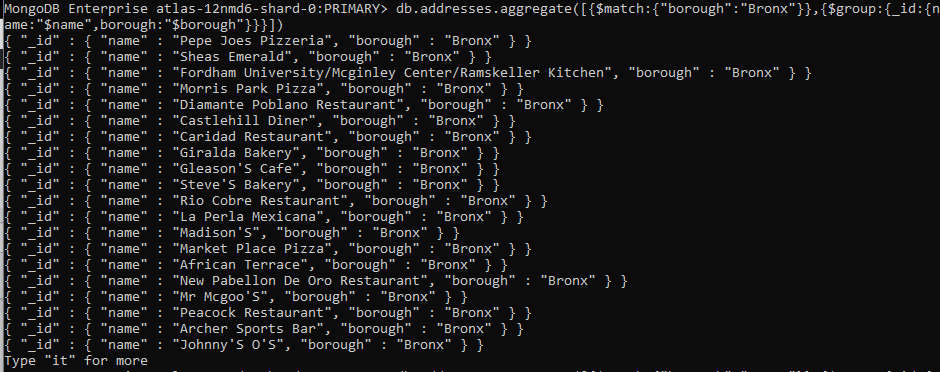
1. **Write a MongoDB query to display the fields restaurant\_id, name, borough and zip code, but exclude the field \_id for all the documents in the collection restaurant.**

****

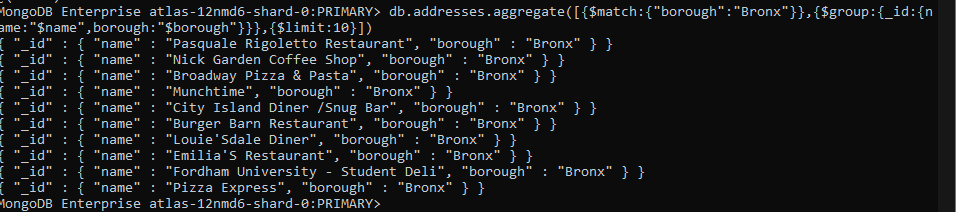
1. **Write a MongoDB query to display the first 5 restaurant which is in the borough Bronx.**

****

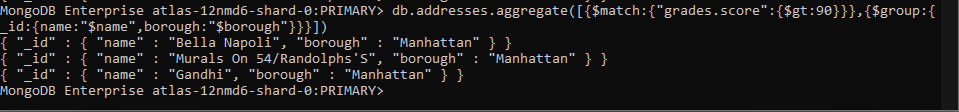
1. **Write a MongoDB query to display all the restaurant which is in the borough Bronx.**

****

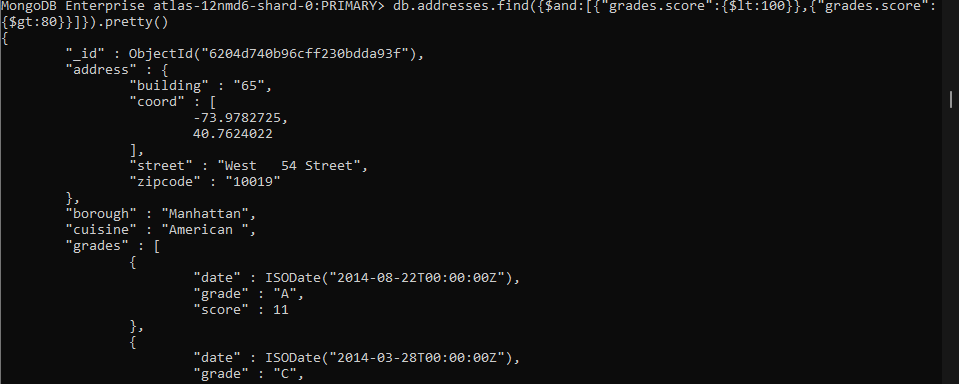
1. **Write a MongoDB query to display the next 5 restaurants after skipping first 5 which are in the borough Bronx.**

****

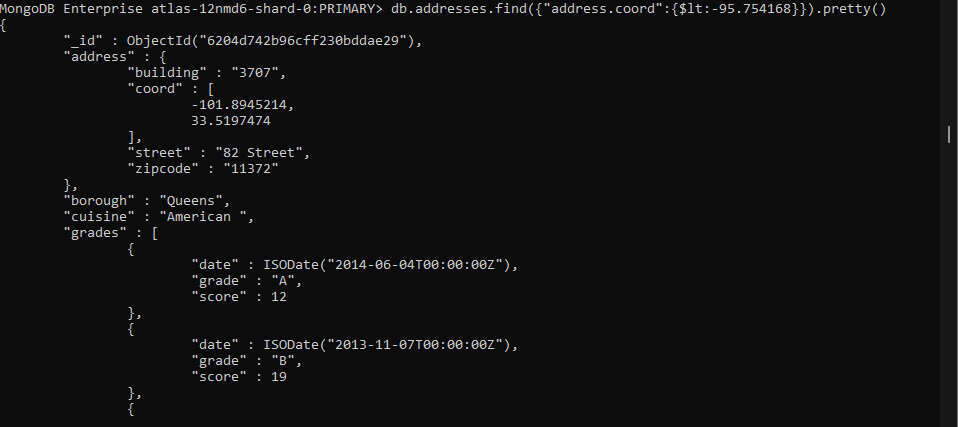
1. **Write a MongoDB query to find the restaurants who achieved a score more than 90.**

****

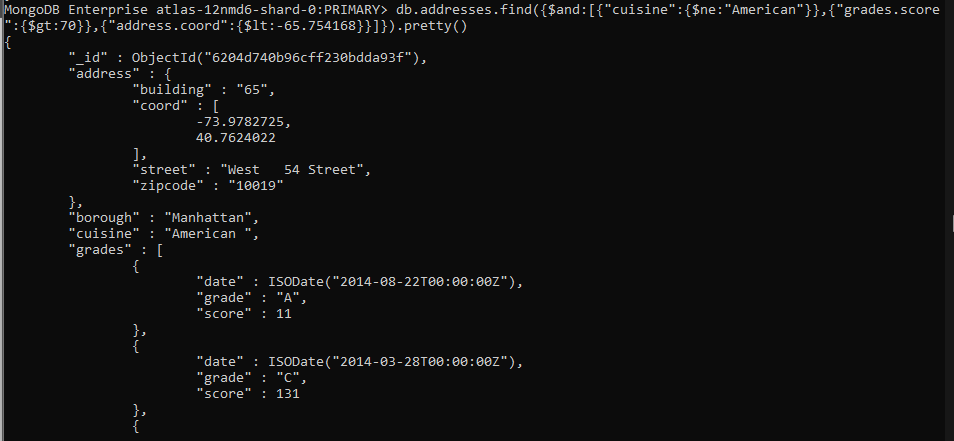
1. **Write a MongoDB query to find the restaurants that achieved a score, more than 80 but less than 100.**

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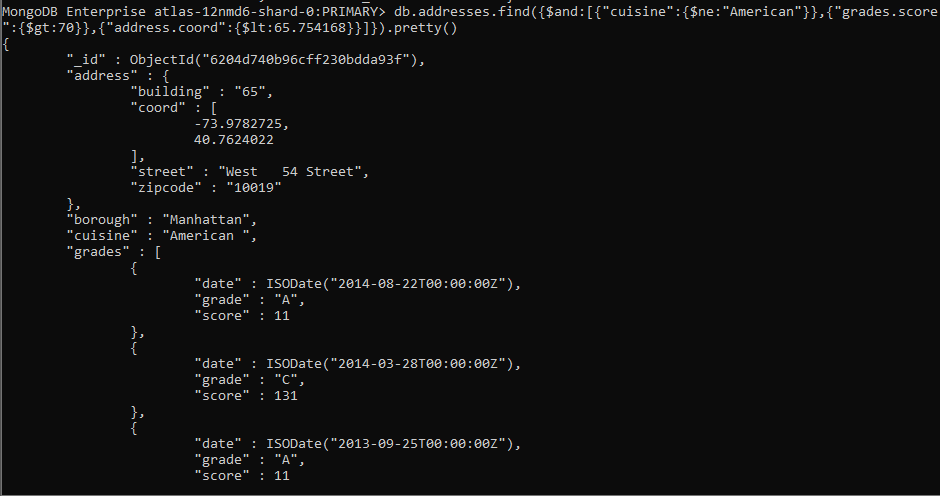
**10. Write a MongoDB query to find the restaurants which locate in latitude value less than -95.754168.**

****

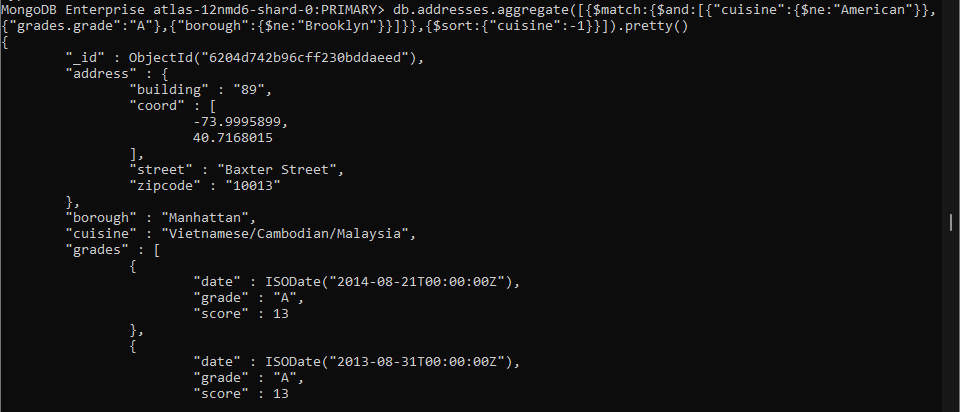
1. **Write a MongoDB query to find the restaurants that do not prepare any cuisine of 'American' and their grade score more than 70 and latitude less than -65.754168.**

****

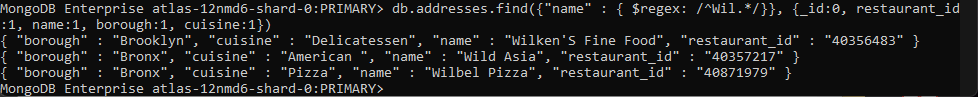
**12. Write a MongoDB query to find the restaurants which do not prepare any cuisine of 'American' and achieved a score more than 70 and located in the longitude less than -65.754168.**

****

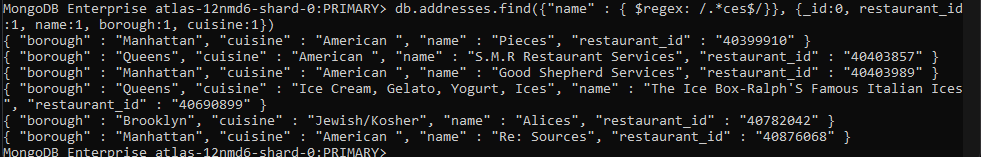
**13. Write a MongoDB query to find the restaurants which do not prepare any cuisine of 'American ' and achieved a grade point 'A' not belongs to the borough Brooklyn. The document must be displayed according to the cuisine in descending order.**

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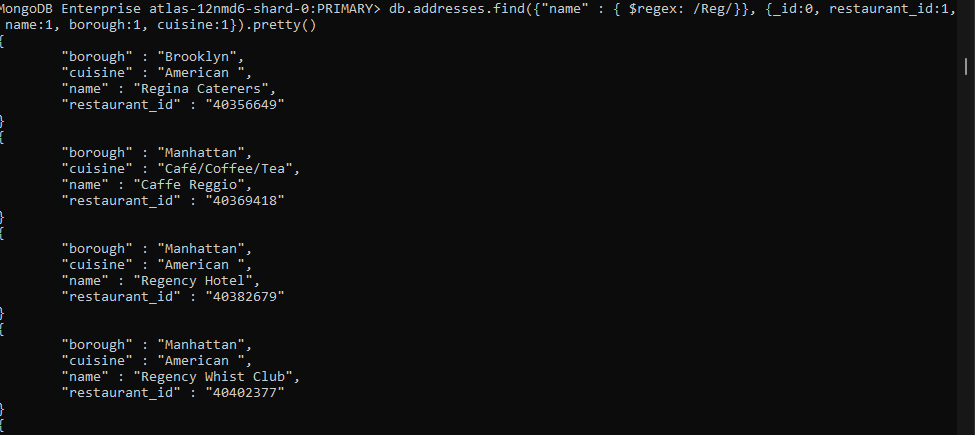
**14. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which contain 'Wil' as first three letters for its name.**

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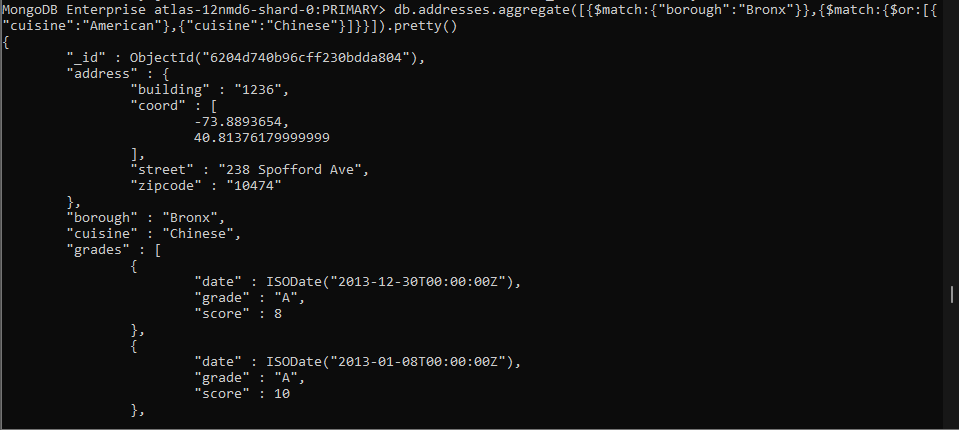
**15. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which contain 'ces' as last three letters for its name.**

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**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.**

****

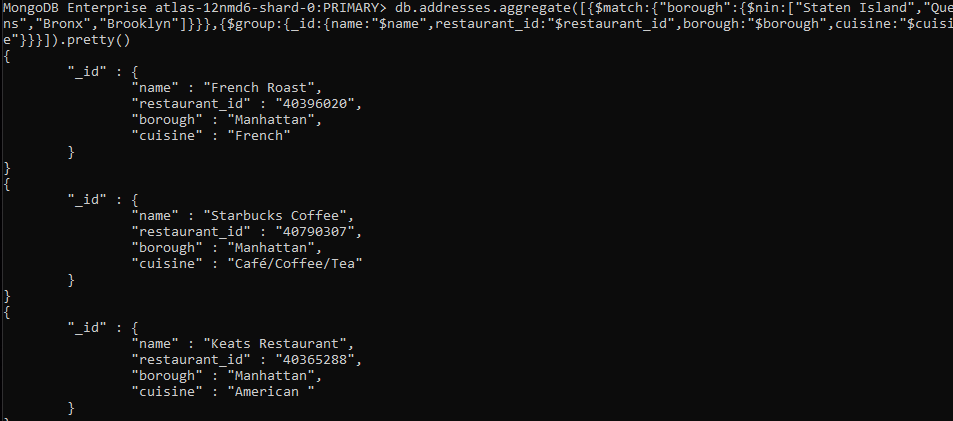
**17. Write a MongoDB query to find the restaurants which belong to the borough Bronx and prepared either American or Chinese dish.**

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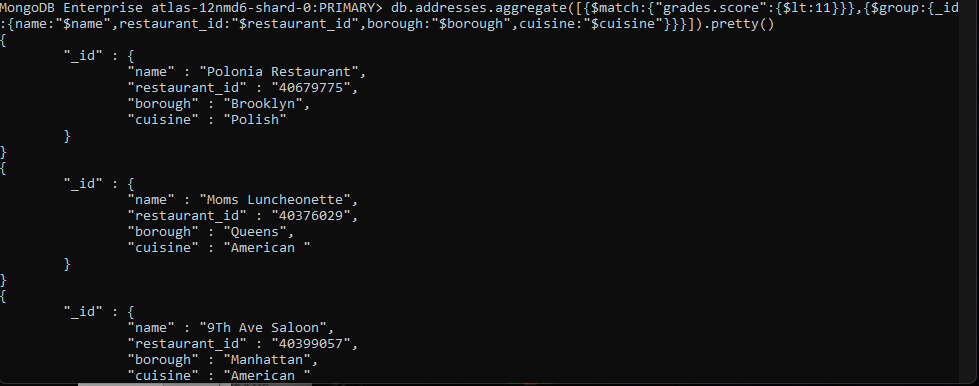
**18. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which belong to the borough Staten Island or Queens or Bronx or Brooklyn.**

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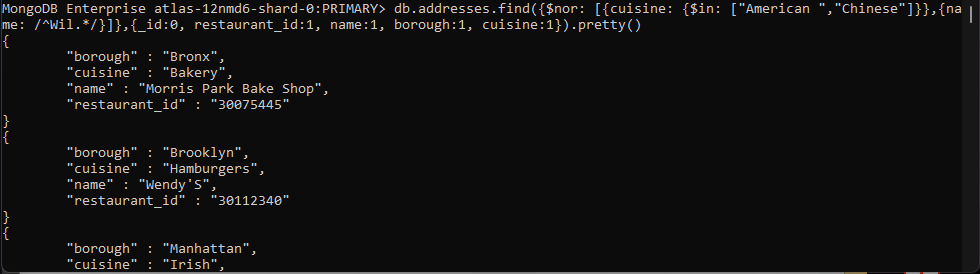
**19. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which are not belonging to the borough Staten Island or Queens or Bronxor Brooklyn.**

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**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.**

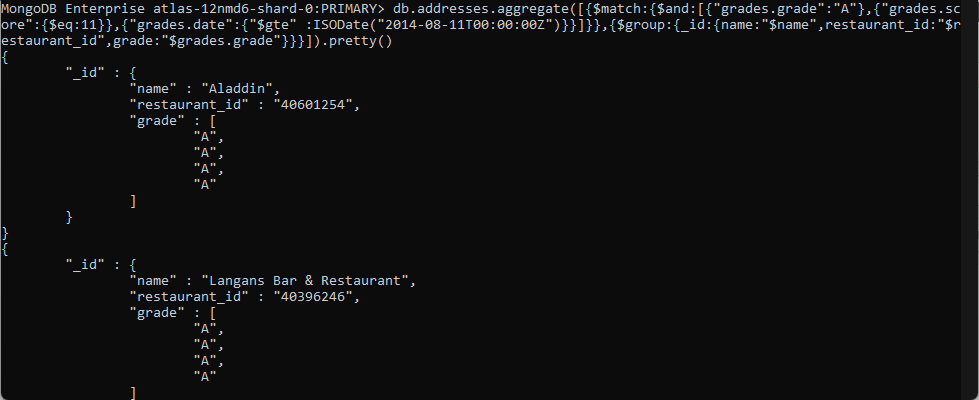
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**21. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which prepared dish except 'American' and 'Chinees' or restaurant's name begins with letter 'Wil'.**

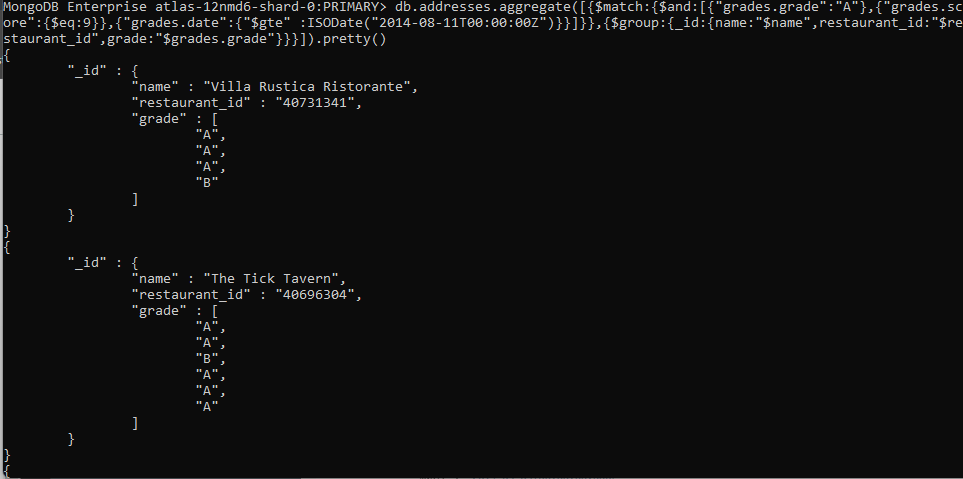
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**22. Write a MongoDB query to find the restaurant Id, name, and grades for those restaurants which achieved a grade of "A" and scored 11 on an ISODate "2014-08-11T00:00:00Z" among many of survey dates..**

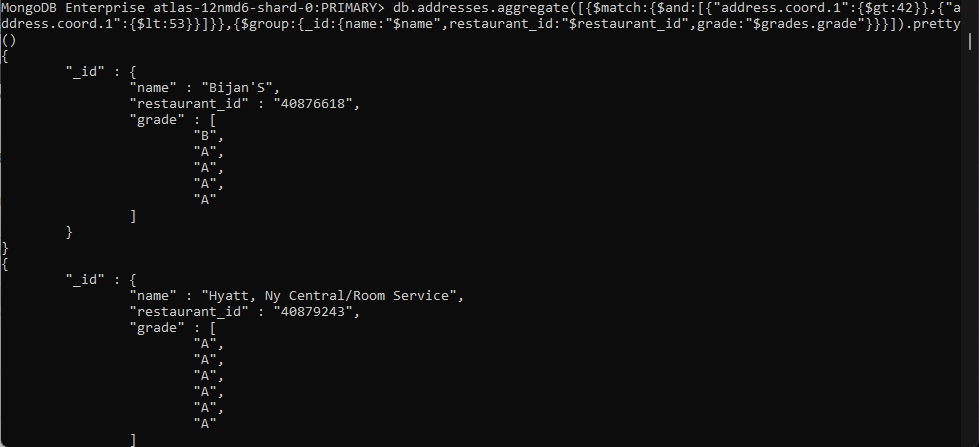
**{"grades.date":{"$gte" :ISODate("2014-08-11T00:00:00Z")}}**

****

**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"**

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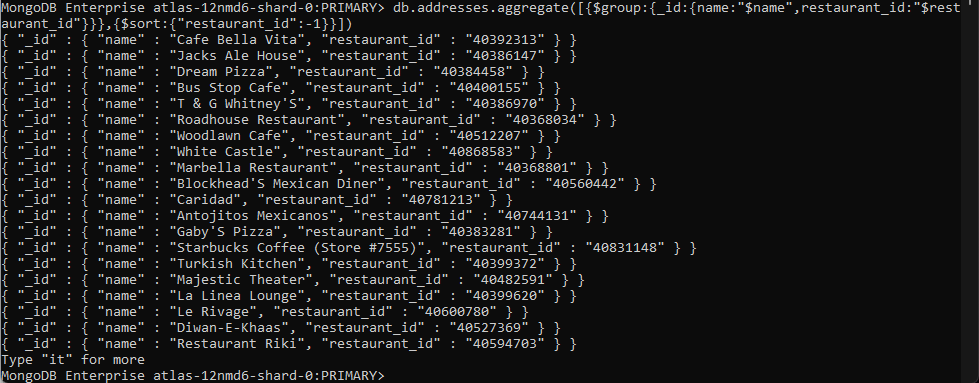
**24. Write a MongoDB query to find the restaurant Id, name, address and geographical location for those restaurants where 2nd element of coord array contains a value which is more than 42 and upto 52..**

****

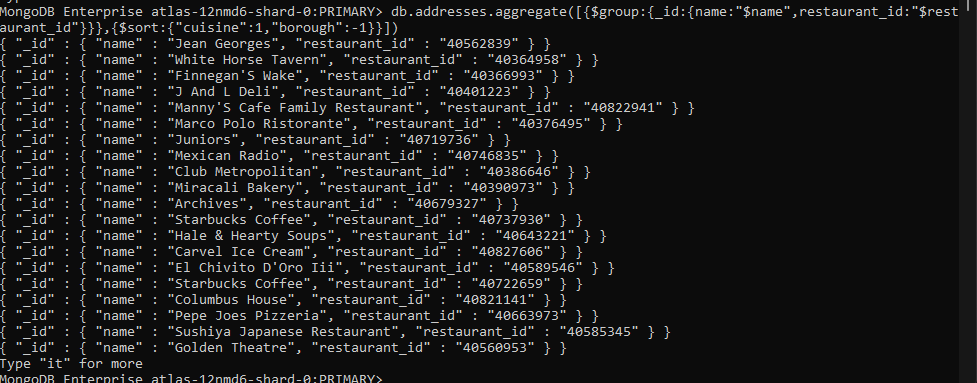
**25. Write a MongoDB query to arrange the name of the restaurants in ascending order along with all the columns.**

****

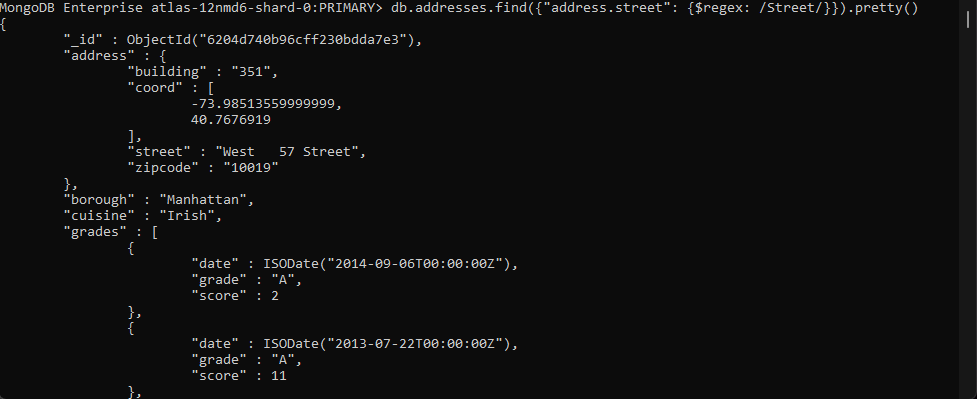
**26. Write a MongoDB query to arrange the name of the restaurants in descending along with all the columns.**

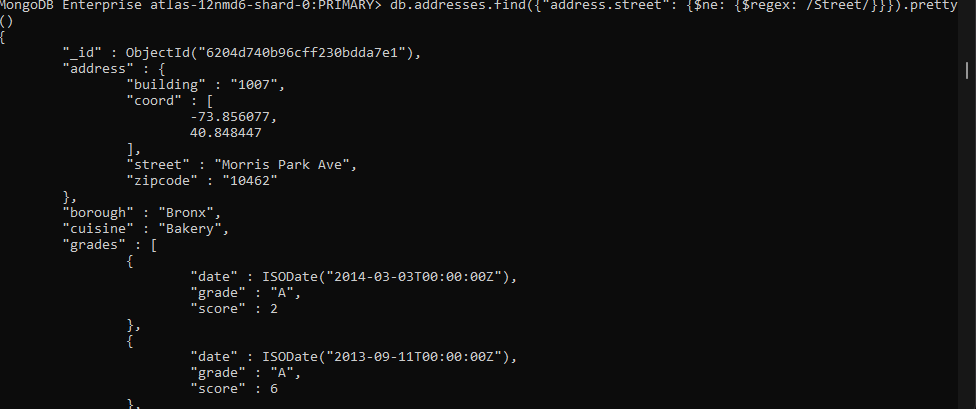
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**27. Write a MongoDB query to arranged the name of the cuisine in ascending order and for that same cuisine borough should be in descending order.**

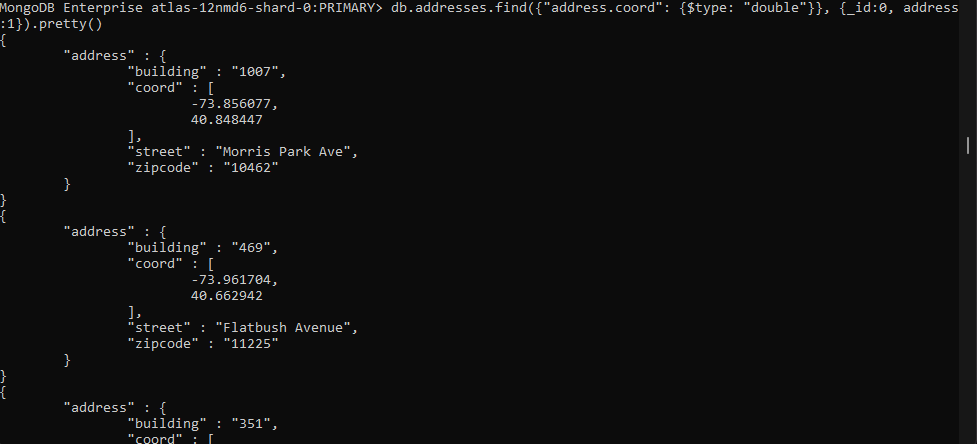
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**28. Write a MongoDB query to know whether all the addresses contains the street or not.**

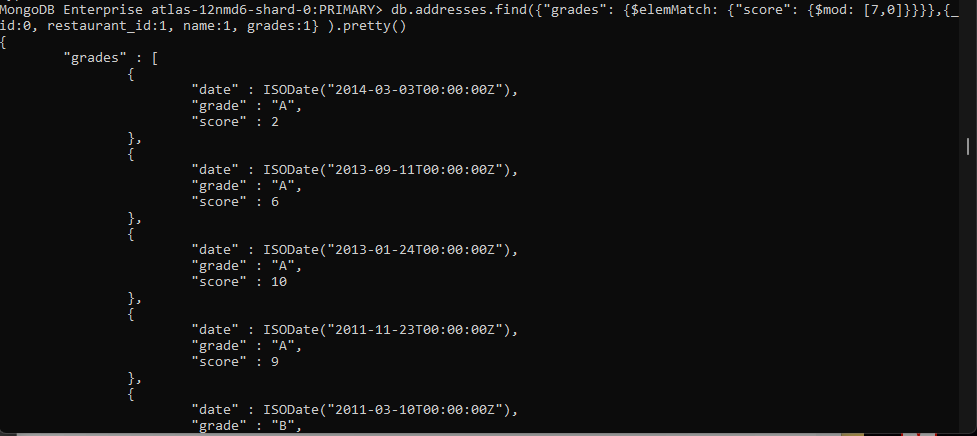
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**29. Write a MongoDB query which will select all documents in the restaurants collection where the coord field value is Double.**

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**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.**

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