INITIALIZATION SETUP:-

* show databases
* use any present---- db (like use db test)
* db.insertMany{[
  + {"\_id":{"$oid":"614494dd857c58f37369678f"},"address":{"building":"1237","coord":[{"$numberDouble":"-73.856077"},{"$numberDouble":"40.848447"}],"street":"Mall Mumbai","zipcode":"104612"},"cuisine":"Anup Bakery","grades":[{"date":{"$date":{"$numberLong":"1393804800000"}},"grade":"A","score":{"$numberInt":"2"}},{"date":{"$date":{"$numberLong":"1378857600000"}},"grade":"A","score":{"$numberInt":"6"}},{"date":{"$date":{"$numberLong":"1358985600000"}},"grade":"A","score":{"$numberInt":"10"}},{"date":{"$date":{"$numberLong":"1322006400000"}},"grade":"A","score":{"$numberInt":"9"}},{"date":{"$date":{"$numberLong":"1299715200000"}},"grade":"B","score":{"$numberInt":"14"}}],"name":"Anup C Shop","restaurant\_id":"123445"},
  + {"\_id":{"$oid":"614494dd857c58f37369678a"},"address":{"building":"1707","coord":[{"$numberDouble":"-73.856077"},{"$numberDouble":"40.848447"}],"street":"Jail Road","zipcode":"104462"},"cuisine":"Sandwitch","grades":[{"date":{"$date":{"$numberLong":"1393804800000"}},"grade":"A","score":{"$numberInt":"2"}},{"date":{"$date":{"$numberLong":"1378857600000"}},"grade":"A","score":{"$numberInt":"6"}},{"date":{"$date":{"$numberLong":"1358985600000"}},"grade":"A","score":{"$numberInt":"10"}},{"date":{"$date":{"$numberLong":"1322006400000"}},"grade":"A","score":{"$numberInt":"9"}},{"date":{"$date":{"$numberLong":"1299715200000"}},"grade":"B","score":{"$numberInt":"14"}}],"name":"Jhon Snadwitch Corner","restaurant\_id":"300725445"},
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  + {"\_id":{"$oid":"614494dd857c58f37369678d"},"address":{"building":"10017","coord":[{"$numberDouble":"-73.856077"},{"$numberDouble":"40.848447"}],"street":"Mall Shimla Road Mussorrie","zipcode":"104162"},"cuisine":"Sudha Bakery","grades":[{"date":{"$date":{"$numberLong":"1393804800000"}},"grade":"A","score":{"$numberInt":"2"}},{"date":{"$date":{"$numberLong":"1378857600000"}},"grade":"A","score":{"$numberInt":"6"}},{"date":{"$date":{"$numberLong":"1358985600000"}},"grade":"A","score":{"$numberInt":"10"}},{"date":{"$date":{"$numberLong":"1322006400000"}},"grade":"A","score":{"$numberInt":"9"}},{"date":{"$date":{"$numberLong":"1299715200000"}},"grade":"B","score":{"$numberInt":"14"}}],"name":"Cake Holy Bake Shop","restaurant\_id":"300175445"},
  + {"\_id":{"$oid":"614494dd857c58f373696797"},"address":{"building":"11007","coord":[{"$numberDouble":"-73.856077"},{"$numberDouble":"40.848447"}],"street":"Malto Mussorrie","zipcode":"1062"},"cuisine":"Big Bakery","grades":[{"date":{"$date":{"$numberLong":"1393804800000"}},"grade":"A","score":{"$numberInt":"2"}},{"date":{"$date":{"$numberLong":"1378857600000"}},"grade":"A","score":{"$numberInt":"6"}},{"date":{"$date":{"$numberLong":"1358985600000"}},"grade":"A","score":{"$numberInt":"5"}},{"date":{"$date":{"$numberLong":"1322006400000"}},"grade":"A","score":{"$numberInt":"9"}},{"date":{"$date":{"$numberLong":"1299715200000"}},"grade":"B","score":{"$numberInt":"14"}}],"name":"Morfte Shop","restaurant\_id":"30075445"},
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  + {"\_id":{"$oid":"614494dd857c58f373696793"},"address":{"building":"14307","coord":[{"$numberDouble":"-73.856077"},{"$numberDouble":"40.848447"}],"street":"Mall Goa beach","zipcode":"104262"},"cuisine":"Curry Bakery","grades":[{"date":{"$date":{"$numberLong":"1393804800000"}},"grade":"A","score":{"$numberInt":"2"}},{"date":{"$date":{"$numberLong":"1378857600000"}},"grade":"A","score":{"$numberInt":"26"}},{"date":{"$date":{"$numberLong":"1358985600000"}},"grade":"A","score":{"$numberInt":"10"}},{"date":{"$date":{"$numberLong":"1322006400000"}},"grade":"A","score":{"$numberInt":"9"}},{"date":{"$date":{"$numberLong":"1299715200000"}},"grade":"B","score":{"$numberInt":"14"}}],"name":"Morr Shop","restaurant\_id":"302075445"},
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  + {"\_id":{"$oid":"614494dd857c58f373696799"},"address":{"building":"17","coord":[{"$numberDouble":"-73.856077"},{"$numberDouble":"40.848447"}],"street":"Malwer Mussorrie","zipcode":"10462"},"cuisine":"qwerty Bakery","grades":[{"date":{"$date":{"$numberLong":"1393804800000"}},"grade":"A","score":{"$numberInt":"2"}},{"date":{"$date":{"$numberLong":"1378857600000"}},"grade":"A","score":{"$numberInt":"16"}},{"date":{"$date":{"$numberLong":"1358985600000"}},"grade":"A","score":{"$numberInt":"10"}},{"date":{"$date":{"$numberLong":"1322006400000"}},"grade":"A","score":{"$numberInt":"9"}},{"date":{"$date":{"$numberLong":"1299715200000"}},"grade":"B","score":{"$numberInt":"14"}}],"name":"qwerty Bake Shop","restaurant\_id":"8775445"},
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  + {"\_id":{"$oid":"614494dd857c58f373696789"},"address":{"building":"011","coord":[{"$numberDouble":"-73.856077"},{"$numberDouble":"40.848447"}],"street":"Straight Road","zipcode":"107462"},"cuisine":"Water-Melon","grades":[{"date":{"$date":{"$numberLong":"1393804800000"}},"grade":"A","score":{"$numberInt":"2"}},{"date":{"$date":{"$numberLong":"1378857600000"}},"grade":"A","score":{"$numberInt":"8"}},{"date":{"$date":{"$numberLong":"1358985600000"}},"grade":"A","score":{"$numberInt":"10"}},{"date":{"$date":{"$numberLong":"1322006400000"}},"grade":"A","score":{"$numberInt":"9"}},{"date":{"$date":{"$numberLong":"1299715200000"}},"grade":"B","score":{"$numberInt":"20"}}],"name":"Fruits Shop Mike","restaurant\_id":"3011075445"},
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  + {"\_id":{"$oid":"614494dd857c58f37369678e"},"address":{"building":"10107","coord":[{"$numberDouble":"-73.856077"},{"$numberDouble":"40.848447"}],"street":"Mussorrie Road","zipcode":"10462"},"cuisine":"Diamond Bakery","grades":[{"date":{"$date":{"$numberLong":"1393804800000"}},"grade":"A","score":{"$numberInt":"2"}},{"date":{"$date":{"$numberLong":"1378857600000"}},"grade":"A","score":{"$numberInt":"6"}},{"date":{"$date":{"$numberLong":"1358985600000"}},"grade":"A","score":{"$numberInt":"10"}},{"date":{"$date":{"$numberLong":"1322006400000"}},"grade":"A","score":{"$numberInt":"19"}},{"date":{"$date":{"$numberLong":"1299715200000"}},"grade":"B","score":{"$numberInt":"14"}}],"name":"Ethan Shop","restaurant\_id":"2345445"},
  + {"\_id":{"$oid":"614494dd857c58f373696791"},"address":{"building":"1027","coord":[{"$numberDouble":"-73.856077"},{"$numberDouble":"40.848447"}],"street":"Shiliguri","zipcode":"104162"},"cuisine":"Rama Bakery","grades":[{"date":{"$date":{"$numberLong":"1393804800000"}},"grade":"A","score":{"$numberInt":"12"}},{"date":{"$date":{"$numberLong":"1378857600000"}},"grade":"A","score":{"$numberInt":"16"}},{"date":{"$date":{"$numberLong":"1358985600000"}},"grade":"A","score":{"$numberInt":"10"}},{"date":{"$date":{"$numberLong":"1322006400000"}},"grade":"A","score":{"$numberInt":"9"}},{"date":{"$date":{"$numberLong":"1299715200000"}},"grade":"B","score":{"$numberInt":"14"}}],"name":"Morris Qilian Bake Shop","restaurant\_id":"30075445"}
* ]}

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

Solution:- **db.restaurant.find({ }, {\_id: 0 , restaurant\_id: 1, name: 1, address: {zipcode : 1 } })**

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

Solution:- **db.restaurant.find().sort( {name: 1} )**

1. Write a MongoDB query to display the first 5 restaurant in ascending order of name field.

Solution:- **db.restaurant.find().sort( { name: 1} ).limit( 5 )**

1. Write a MongoDB query to display the next 5 restaurants after skipping first 5.

Solution:- **db.restaurant.find().sort( { name: 1} ).skip( 5).limit( 5 )**

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

Solution:- **db.restaurant.find({grades: { score: {$gt : 90 }}}, {})**

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

Solution:- **db.restaurant.find({grades: { score: {$gt : 80, $lt: 90 }}}, {})**

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

Solution:- **db.restaurant.find({name: {$regex: /^Caf/ , $options: “$i” }} , {\_id: 0, name: 1, address:{ coors: 1}, cuisine: 1})**

1. Write a MongoDb query to update grade B to A in all documents.

Solution:- **db.restaurant.updateMany({ grades: { grade: B} }, { $set : { grades: { grade: A} })**