**Mongodb:**

Jargons:

1. Database
2. Collections
3. Documents
4. fields

Features:

1. Schemaless
2. Sharding
3. Indexing
4. Aggregate – match, sort…
5. Replication – primary node and secondary nodes

Tech Jargons:

1. Arrays: [“tech”,”pgmming”,”web dev”] - indexing
2. Embedded Document - {“name”:”abc”,”email”:”abc@gmail.com”} – field value pair
3. Array of Embedded Document[{},{}]
4. Nested Embedded Document – [{[{}]}]

Mongo shell – in mongo compass (bottom arrow)

1. Show databases/show dbs
2. Use sample
3. Db.products.insertOne({“name”:”abc”})
4. Show tables/collections
5. Db.products.drop() 🡪 true
6. Db.prodcuts.find() 🡪 to display all the data
7. Db.products.renameCollection(“items”) 🡪 to rename a table {ok:1}
8. Show tables/collections 🡪 items
9. Db.dropDatabase()🡪 to delete a database
10. Db.shop.insertOne({
    1. “item”:”Rice”,
    2. “tags”:[“food”,”white”],
    3. “stock”:{
    4. “quantity”:150,
    5. “uom”:”KG”
    6. }
    7. })
11. Db.shop.insertOne({“\_id”:1,”item”:”Sugar”})
12. Db.shop.insertMany([{\_id:2, item:”Orange”},{\_id:3, item:”Pineapple”}]);
13. To find a particular record:
14. db.students.find({"Name":"Sam"})
15. If duplicate id is inserted, it would show error and the future records would not be inserted.
16. To insert the future orders, {ordered:false});
    1. {\_id:4,item”Papaya”}, {\_id:2, item:”Cherry”},{\_id:6, item:”Dragaon fruit”}],{ordered:false});
17. db.students.insertMany([
18. {"\_id":3,"name":"Ramesh"},
19. {"\_id":4,"name":"Tiya","age":15},
20. {"name":"Diya","age":5}
21. ]);
23. db.students.find({},{"\_id":0,"name":1,"age":1}); displays only name and age field. 0 means exclude and 1 means include that column in the query