

## Non Relational DB

NoSQL      When to use?

- > Huge data
- > relationship not imp
- > not structured
- > scalability.

## MongoDB

Customer {

field → 'name': 'Ram', attribute / column  
'Id': 1234,  
'email': 'ram@gmail.com'  
}

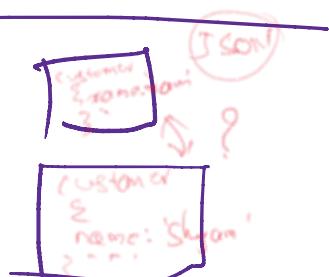
SQL

column  
row/tuple  
Table  
Database

NoSQL

field  
document  
collection  
Database

PK	name	Id	email
1	ram	1234	ram@gmail.com
2			



MongoDB

↳ Unique Id  
for every document

Customer {  
  '\_id': <-- 12 bytes Id

  'Name': 'Ram',  
  'Id': 1234,  
  'email': 'ram@gmail.com'

}

## CRUD Operations

ID	name	email	phone
1.			
2.			
3.			
4.			

## NoSQL

ID	name
1	
2	

name	email
F	A
T	B

## MongoDB commands

- 1) show dbs → show databases
- 2) use <db-name> → switch to db  
(creates a new if doesn't exist)
- 3) db → shows db that is currently used.

4) Show collections ~ . . .

5) db.createCollection(name) → <sup>new collection</sup>  
  ↳ upper case

6) db.<collection>.insert(<JSON>)

db.employee.insert({  
 "name": "Ram",  
 "emp\_id": 1001,  
 "designation": "manager",  
 "salary": 50000 })

7) Drop DB

db.dropDatabase()

8) drop a collection:

db.product.drop()  
↳ collection name

Show data from collection:

D) db.collection.name.find()

db.employee.find()

} displays all data

db.employee.find().forEach(function)

db.employee.find().pretty()

2) db.employee.find({name: "Ran"})

Criteria's  
{\$ne}      {\$lt}      {\$gt}  
{\$lt}      {\$gt}

db.employee.find({  
  "salary":  
  {\$gte: 40000 } })

Update queries:

db.collectionname.update(criteria,

db.collectionname.update(criteria,  
update-data)

ex:-

db.employee.update({{"emp-id": 1003},  
{\$set: {"designation": "HR mgr"}},  
{multi: true})

optional ↑

updates all  
matching documents.