**RDBMS**

Composite Key is used to combine multiple columns as primary key’s at once.

When multiple columns are combined to make a primary key is called as Composite Key.

In a table the will, be only on Primary Key, but there can be multiple Candidate Key.

Determinant is an attribute/column which describes another attribute/column.

**NoSQL**

MongoDB installation:

1. Download mongo community server  
2. Download mongosh  
3. Extract mongosh  
4. copy everything that is present inside the bin directory of the abvoe extract  
5. Paste the files in   
C drive > program files > mongodb > 6.0 > bin  
6. Set the above path to environment variable `PATH`  
7. Open a fresh command prompt, type in mongosh and make sure you don't see errors

$ show dbs

will list all the data bases, by default there will be 3 databases (admin, config, local).

$ db

To check on which database currently we are in.

$ use posts

To create and switch to new database.

$ db.createCollection(“posts”)

To create table/collection in existing database.

Note: Database should have at least one Collection/Table to view it.

$ db.posts.insert(

{

“id” : 1,

“content” : “Hello World”,

“author” : “Rohith Reddy”

}

)

Command will add one fields into collection.

$ db.posts.insertMany(

[

{

“id” : 2,

“content” : “Welcome to MongoDB”,

“author” : “Rohith Reddy”

},

{

“id” : 3,

“content” : “Learning MongoDB is fun”,

“author” : “Rohith Reddy”

}

]

)

Command will add multiple fields into collection.

$ db.posts.find({“id” : 2})

Command is used to find the fields with filter

$ db.posts.find()

$ db.posts.find().pretty()

Command is used to find all fields

$ db.posts.find({}, {cotent:1 , author : 1, \_id : 0})

Command to print content, author fields and exclude \_id ObjectId field

$ db.posts.find({}, { \_id : 0})

To prong all the fields without their ObjectId’s

$ db.posts.deleteOne({“id” : 2})

To delete one field

$ db.posts.find({}, {\_id : 0}).sort({id : -1}).limit(3)

To sort in descending order and get only 3 fields

$ db.posts.updateOne({id : 1}, {$set : {posted\_at : new Date(“DD-MM-YYYY”)}})

To update a field or to add new field

$ db.posts.updateMany({}, {$set : {posted\_at : new Date(“DD-MM-YYYY”)}})

To update many field or to add many db.new field