

## <sup>14-10-20</sup> Task 10 CRUD operations in Document Databases.

Aim: To perform mongoose using npm design on mongoDB designing documents database and performing CRUD operations like creating, inserting, querying.

Steps:

Step 1) install mongo db using following link  
<https://www.mongodb.com/try/download/community>

Step 2) Install mongosh using the below link  
<https://www.mongodb.com/docs/mongodb-shell>

# Download - and - install - mongosh.

Step 3) To add the mongoDB shell binary's location to your path environment variable

Open the control panel

In the system and security category, click system

To confirm that your path environment variable is correctly configured to find mongosh

Step 4: Open mongo shell v.0 from C:\Program Files\mongoDB\server\bin\mongod.exe

Step 5) Type the CRUD (Create Read Update Delete) commands given in text file.



## CRUD operations

1. create collection ("my lab")

{ "ok" : 1 }

2. my lab. insert one { item: "canvas", qty: 100,  
bags: [ "cotton" ], size: { h: 28, w: 35 } }

{

"acknowledged" : true,

"inserted" : ObjectId("627d13acc73990c074c6397c")

}

3. my lab. find { item: "canvas" }

{ "\_id" : ObjectId("627d13acc73990c074c6397c"),

"item" : "canvas", "qty" : 100, "bags" : [ "cotton" ],

"size" : { "h" : 28, "w" : 35, "unom" : "cm" } }

7.

2. my lab. insert many [ { item: "journal", qty: 25,

bags: [ "blank", "lead" ], size: { h: 14, w: 21, unom: "cm" } }

{ item: "mat", qty: 88, bags: [ "gray" ], size:

{ h: 27, w: 39, unom: "cm" } }, { item: "

"monopad", qty: 25.

{

"acknowledged" : true,

"inserted ids" : [

ObjectId("627d13acc73990c074c6397d"),

ObjectId("627d13acc73990c074c6397e"),

ObjectId("627d13acc73990c074c6397f") ]



]

3.

7db. my lab. find ({3, {item:1, qty:13}})

{ "-id": object Id("627d13acc73a90c074e63a7c");

"item": "canvas", "qty": 10}

{ "-id": object Id("627d15a8c73a90c074e63a7d");

"item": "journal", "qty": 25}

{ "-id": object Id("627d15a8c73a90c074e63a7e");

"item": "mousepad", "qty": 25}

7db. my lab. find ({3, {item:1, qty:13}}). pretty()

{

"-id": object Id("627d13acc73a90c074e63a7c");

"items": "canvas",

"qty": 100

{

"-id": object Id("627d15a8c73a90c074e63a7d");

"item": "journal",

"qty": 25.

{

"-id": object Id("627d15a8c73a90c074e63a7e");

"item": "mat", "qty": 85}

{

"-id": object Id("627d15a8c73a90c074e63a7f");

"item": "mousepad";

"qty": 25

3

7db. my lab. find ({item: "canvas"}) pretty().

sort ({item: -13}).



"item": "keyboard",

"qty": 100,

"bag": 1

"color":

],

"size": 1

"h": 28,

"w": 38.5,

"unit": "cm"

3 3

7db. my lab. delete one({item: "journal"})

7db. my lab. find ({3, {item: 1, qty: 13}}. pretty());

3  
"-id": objectId("677d13acc73990c074e63a7c");

3  
"-id": ~~objectId~~ id("627d15a8c73990c074e63a7e");

"item": "mat", "qty": 85}

3  
"-id": objectId("627d15a8c73990c074e63a78");

"item": "mousepad", "qty": 25}

VEL TECH	
EX NO.	10
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	
TOTAL (20)	6
SIGN WITH DATE	14/07/24

14/07/24

Result: The implementation of CRUD operations like creating, inserting, finding and removing operations using mongoose.