

TASK 9

CRUD operations in Document databases
perform Mongoose using NPM design
on Mongo DB designing document database
and performing CRUD operations like
creating, inserting, querying, finding,
removing operations

AIM

To perform Mongoose using NPM design
on Mongo DB designing document database
and performing CRUD operations like
creating, inserting, querying, finding,
removing operations.

STEPS:

step 1) install Mongodb using following link
<https://www.mongodb.com/tarball/community>

step 2) install Mongosh using the below link
<https://www.mongodb.com/docs/mongodb-shell>

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~~

click Advanced System settings. The
system Properties modal displays.

click Environment variables

In the System Variables section, select
path and click Edit. The Edit environment
variable modal displays
click New and add the file path to your
mongosh binary.

Step4) Open mongo shell 4.0 from cmd program
files\mongoDB\server\bin\mongod.exe

Step5) Type the CRUD(CREATE READ
UPDATE DELETE) COMMANDS GIVEN IN
TEXTFILE

CRUD OPERATIONS:

db.create collection ("my lab 3")

{"ok": 1}

>

db.my lab 3. insert one({item: "canvas", qty: 100,
tags: ["cotton"], size: {h: 28, w: 35.5, uom: "cm"})
{

"acknowledged": true,

"insertedId": ObjectId("627d13acc73990c074e6397c")

}

> db.my lab 3.find({item: "canvas"})

{ "_id": ObjectId("627d13acc73990c074e6397c"), "Item":

"Canvas", "qty": 100, "tags": ["cotton"],

"size": {h: 28, "w": 35.5, "uom": "cm"} }

>

db.my lab 3.insert Many([{item: "journal",
qty: 25, tags: ["blank", "red"], size: {h: 14, w: 21,
uom: "cm"}, {item: "mat", qty: 85, tags: ["gray"],
size: {h: 27.9, w: 35.5, uom: "cm"}, {item:
"mousepad", qty: 25, tags: ["red", "blue"],
size: {h: 19, w: 22.85, uom: "cm"} }])

```
> db.myLab3.insertMany([{"item": "journal",
  "qty": 25, "tags": ["blank", "red"], "size": {"h": 14,
  "w": 21, "uom": "cm"}}, {"item": "mat", "qty": 85,
  "tags": ["gray"], "size": {"h": 27.9, "w": 35.5,
  "uom": "cm"}}, {"item": "mousepad", "qty": 25,
  "tags": ["ge", "blue"], "size": {"h": 19, "w": 22.85,
  "uom": "cm"}}],  

  {}  

  "acknowledged": true,  

  "insertedIds": [  

    ObjectId("627d1598c73990c074e6397d"),
    ObjectId("627d1598c73990c074e6397e"),
    ObjectId("627d1598c73990c074e6397f")]  

  ]  

  }  

  > db.myLab3.find({ "item": "canvas", "qty": 100 })
  { "_id": ObjectId("627d1598c73990c074e6397d"),
  "item": "canvas", "qty": 100 }
  { "_id": ObjectId("627d1598c73990c074e6397e"),
  "item": "journal", "qty": 25 }
  { "_id": ObjectId("627d1598c73990c074e6397f"),
  "item": "mat", "qty": 85 }
  { "_id": ObjectId("627d1598c73990c074e6397g"),
  "item": "mousepad", "qty": 25 }
  > db.myLab3.find({ "item": "canvas", "qty": 100 })
  { "_id": ObjectId("627d1598c73990c074e6397f"),
  "item": "canvas", "qty": 100 }
```

"qty": 100

{
}

"_id": ObjectId("627d1598c73990c074e6397d"),
"item": "journal",

"qty": 25

{
" _id": ObjectId("627d1598c73990c074e6397e"), "item": "mat",
"qty": 853

{
" _id": ObjectId("627d1598c73990c074e6397f"),

"item": "mouse pad",

"qty": 100,

"tags": [

"cotton"
],

"size": {

"h": 28,

"w": 35.5,

" uom": "cm"

}
}

> db.myLab3.deleteOne({item: "journal"});

> db.myLab3.find({ _id: ObjectId("627d13acc73990c074e6397c") },
pretty())

{

" _id": ObjectId("627d13acc73990c074e6397c"),

"item": "canvas",

Mat : 100

3

{
 "_id": ObjectID("627d1598c73990c074e6397d"),

 "item": "journal",

"qty": 25

3

{
 "_id": ObjectID("627d1598c73990c074e6397e"),

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

{

 "_id": ObjectID("627d1598c73990c074e6397f"),

 "item": "mousepad",

"qty": 25

, 3
>

Result:

Thus CRUD using ~~VPM design~~ on

Mongoose designing document database

VEL TECH - USE	
EX NO.	9
PERFORMANCE (5)	8
RESULT AND ANALYSIS (3)	8
VIVA VOCE (3)	5
RECORD (4)	5
TOTAL (15)	26
SIGN WITH DATE	26

