Task 10: CRUD OPERATION IN DOCUMENT THE DATABASES

Aim: To perform Mongoose using NPM design an mongoDB designing document database and performing CRUD operations like creating, inserting, queries, finding and removing operations.

STEPS:

* install Mongo db using following link
https://www.mongodb.com/try/download/community
* install mongosh using the below link
https://www.mongodb.com/docs/mongodb-shell/#download-and-install-mongosh
* open mongo shell 4.0 from C:\Program files\mongoDB\server\bin\mongodb.exe
* Type the CRUD (CREATE READ UPDATE DELETE) COMMANDS GIVEN IN TEXT FILE.
* ~~Type the~~

CRUD OPERATIONS:

```
db.createCollection("mylab")
{ "ok": 1 }
>db.mylab.insertOne({item: "canvas", qty: 100, tags: ["cotton"], size: { h:28, w:285, uom: "cm"}})
{
"acknowledged": true
"insertedId": ObjectId("677d139cc7399c676e6397")
}
>db.mylab.find({item: "canvas"})
```

```
> db.mylab.find({},
{item:1,qty:1}).pretty()
{
"_id" : ObjectId("627d13acc73990c
074e6397c"),
"item" : "canvas",
"qty" : 100
}
{
"_id" : ObjectId("627d1598c73990c
074e6397d"),
"item" : "journal",
"qty" : 25
}
{ "_id" : ObjectId("627d1598c739
90c074e6397e"), "item" : "mat",
"qty" : 85 }
{
"_id" : ObjectId("627d1598c
73990c074e6397f"),"item" :
"mousepad","qty" : 25}
```

{"_id": objected("627d1598c73990c074e6397d"),
"item": "canvas", "qty": 100, "tags": ["cotton"], "size":
{"h": 28, "w": 35.5, "uom": "cm"}}
> db.mylab.insertMany([{item: "journal", qty: 25,
tags: ["blank", "red"], size: {h: 14, w: 21, uom: "cm"}},
{item: "mat", qty: 85, tags: ["grey"], size: {h: 27, w:
35.5, uom: "cm"}}, {item: "mousepad", qty: 25, tags:
["gel", "blue"], size: {h: 19, w: 22.8, uom: "cm"}
{
"acknowledged": true
"insertedIds": [
    objectId("627d1598c73990c074e6397d"),
    objectId("627d1598c73990c074e6397e"),
    objectId("627d1598c73990c074e63975")]}
> db.mylab.find({}, {item: 1, qty: 1})
{
"_id": objectId("627d1598c73990c074e63975"),
"item": "mousepad",
"qty": 25
}
> db.mylab.find({item: "canvas"}).pretty().sort({
item: -1})
{
"_id": objectId("627d13acc73990c074c6397c"),
"item": "canvas",
"qty": 100,
"tags": ["cotton"], "size": {"h": 28, "w": 35.5 "num":

json

```
{ "_id" : ObjectId("627d13acc
73990c074e6397c"), "item" :
"canvas", "qty" : 100, "tags" :
[ "cotton" ], "size" : { "h" :
28, "w" : 35.5, "uom" : "cm" } }
```

"cm"}

}

>db.mylab.deleteone({item:"journal"}

.

>db.mylab.find({},{item:1, qty:1}).Pretty()

{

"_id":objected("627d13acc73990c074e6397c");

"item":"canvas", "qty":100)

{

{"_id":objectedId("627d1598c73990c074e6397d");

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

{"_id":objectID("627d1598c73990c074e6397E"), "item"

:"mat", "qty":85}

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

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

Result: The implementation of CRUD operations like creating, inserting, finding and removing operations using mongoDB is successfully executed.

VEL TECH-CSE

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