Task-10: CRUD OPERATION IN DOCUMENT DATABASE

Aim: To perform mongoose using NPM design document data base & performing CRUD operation like creating, inserting, querying finding & removing operations.

Steps:

1) install mongo db using following link."

https://ww.mongodb.coml fry/download/com using the below link

step2) install mongobb.com try/download/com

https://www.m.com/docs/mongodb-shell))

Step 3: To add the mongodb shell binary; location to your path environment variable: open the control panel.

Step4: open mongo shell 4.0 from C:\ program files\ mongo DB\server\b in mongod.ext

Step 5: Type the CRUD (create Read update Delete) commands given in TXT FILE.

CRUD operations

db.createcollection ('mylab')

{ "ok" : 1)

db. mylab. insertOne ("item : "ranveg", qty : 100 tags : ["roflon"], size : {h : L8,

```
{
  "acknowledged": true,
  "insertedid": objectid(" 627d13acc7399
  c0 74e 6397c")
}
>db.mylab.find(item:"canvas")
{"_id": Objectid("627d13acc"),item
: "canvas","qty":100,"tags": [
"cotton"],"size": {"h":28,"w": 35.5
"vom":"cm"}}

}
"acknowldge":true.
"inserteddids": {
        objected("627d1598c7399dc74p
                                6397d"
        objected("627d1598c07g990c
                        $39 70e"),
        objected("627d1598c673990c7ut
                        .63970f"),
    ]
}

>db.mylab.find({} item:1,qty:1})
{"_id": objectdd("627d1598c73990c07
        d6397d"): item: canvas,"qtyid
"item": "journal","qty".2t]
"item": "mat","qty": 6t
```

```
> db.mylab.deleteOne({item:"journal"})
.....
.....
> db.mylab.find({}, {item:1, qty:1}).
       pretty()
{
  "_id": objected("627d13acc7399c07ue
           6397("),
  "item": "canvas",
  "qty": 100
}
{
  "_id": objected("627d1598c7399c07
           ue6397d"),
  "item": "Journal",
  "qty": 25
}
{
  "_id": objectId("627d1598c7399
           (o7ue6397d"), "item": mat",
  "qty": 85 }
{
  "_id": objectId("627d1598c7399D
           (o7ue6397f") "item": "mouse
           pad", "qty": 25).
```

Result:

The implementation of CRUD operation like creating, inserting, finding & removing operations using MongoDB is successfully executed.
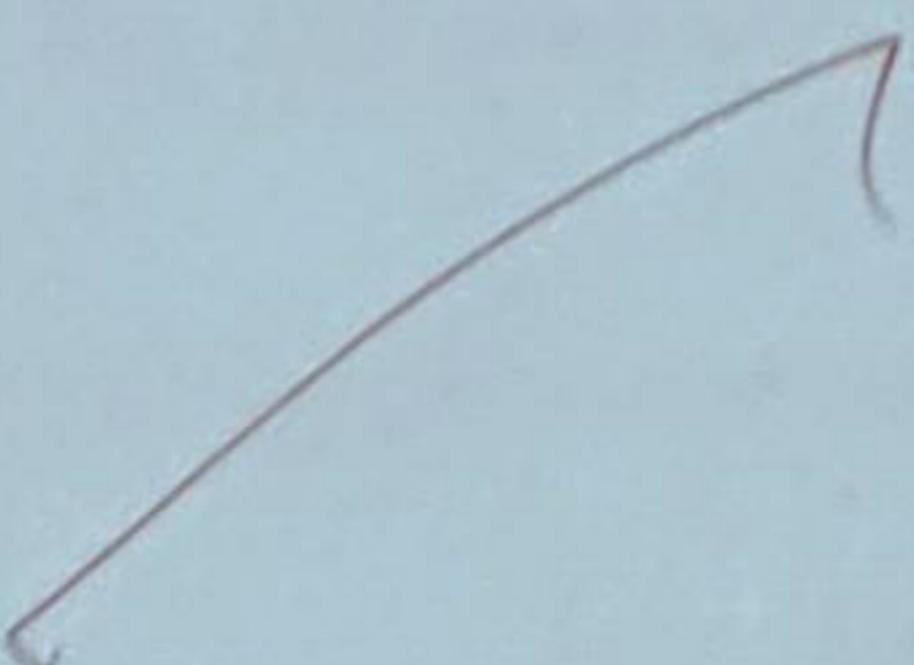
```
reateCollection("mylab")

mylab.insertOne({item:"canvas",qty:100,tags:["cotton"],size:{h:28,w:35.5,uom:"cm"}})

mylab.find({item:"canvas"})

mylab.insertMany([{item:"journal",qty:25,tags:["blank","red"],size:{h:14,w:21,uom:"cm"}}

n:"mat",qty:85,tags:["gray"],size:{h:27.9,w:35.5,uom:"cm"}},

n:"mousepad",qty:25,tags:["gel","blue"],size:{h:19,w:22.85,uom:"cm"}}])

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

mylab.find({},{item:1,qty:1}).pretty()

mylab.find({item:"canvas"}).pretty().sort({item:-1})

mylab.deleteOne({item:"journal"}

mylab.find({},{item:1,qty:1}).pretty()
```

ut:

:1}

"acknowledged" : true,
"insertedId" : ObjectId("5befcb4e6b9c34d70962b36e")

: ObjectId("5befcb4e6b9c34d70962b36e"), "item" : "canvas", "qty" : 100, "tags" : ["cotton"], "size" : { "h" : 28, "w" : 35.5, "uom" : "cm" } }

"acknowledged" : true,
"insertedIds" : [
    ObjectId("5befcb4e6b9c34d70962b36f"),
    ObjectId("5befcb4e6b9c34d70962b370"),
    ObjectId("5befcb4e6b9c34d70962b371")
]

: ObjectId("5befcb4e6b9c34d70962b36e"), "item" : "canvas", "qty" : 100 }
: ObjectId("5befcb4e6b9c34d70962b36f"), "item" : "journal", "qty" : 25 }
: ObjectId("5befcb4e6b9c34d70962b370"), "item" : "mat", "qty" : 85 }
: ObjectId("5befcb4e6b9c34d70962b371"), "item" : "mousepad", "qty" : 25 }

"_id" : ObjectId("5befcb4e6b9c34d70962b36e"),
"item" : "canvas",
"qty" : 100

{
    "_id" : ObjectId("68efcd6e4b9c34878362b38f"),
    "item" : "journal",
    "qty" : 25
}
{ "_id" : ObjectId("68efcd6e4b9c34878362b390"), "item" : "mat", "qty" : 85 }
{
    "_id" : ObjectId("68efcd6e4b9c34878362b391"),
    "item" : "mousepad",
    "qty" : 25
}
{
    "_id" : ObjectId("68efcd6e4b9c34878362b38e"),
    "item" : "canvas",
    "qty" : 100,
    "tags" : [
        "cotton"
    ],
    "size" : {
        "h" : 28,
        "w" : 35.5,
        "uom" : "cm"
    }
}

{

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

"item" : "canvas",

"qty" : 100

}
{

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

"item" : "journal",

"qty" : 25

}
{"_id" : ObjectId("627d1598c73990c074e6397e"), "item" : "mat", "qty" : 85 }

{

"_id" : ObjectId("627d1598c73990c074e6397f"),"item" : "mousepad", "qty" : 25}

Result: Thus the program executed

16. mylab: insert ... tags { ["cotton"], size: {h : 28,