Task-10. Date:- 14/10/24

CRUD operations in Document Database.

Aim:- To perform mangore usinge .NPM design on mongadb designing document database and performing CRUD .

step 1:-

Step:-1 :- Install Mongadb · using following

Step2:- https://www. mongad b.com/ bay / download.

Step2:- Install mongoshell using the below.

https://www. mongodb.com/down/ mongodb-shell.

Step3:- To add the mongadb shell binary location.

Step4:- open mange shell u,o from C:// programfiles.

Step5:- Type the CRUD ·(Create, Read, update, delete) commands given inthe text file

CRUD operationds.

1. Create database

```
db.create Collection ("products")
          {"ok":1}
```

2. Insert one Mobile phone products.

```
db.mobile phone products.insertone(
{name : "Realme", price : 30000, category
"electronic device", stock : 25, tags :
                               ("opp"),
details : {brand : "Realme", warranty:
                               1 year"})
```

output:

```
{ "acknowoledged":true,
  "inserted id : objectid ("62a1b3acc")
}
```

3. find one Mobile product (Read)

```
db.products.find ({name : "Realme"})
```

output:

```
{ "id" : object ("62a1b3acc"),
```

" name : "Realme",

" price ":- 30,000,

" Category ":" Electronics")

" stock ":25;

"tags": ["oppo"]

4) Insert multiple mobile products:

db." Mobile product .insert many ([{

name: " Smart phone", price: 30,000, category:

" Electronics . stock : 50, tags : ["android",

"5G"], details {brand:" realme"}};

{name:" redmi", price : 25,000, category:

". Electronics " stock:30, tags"("oppo")

}

Output:

{ "acknowledge" : true,

" Inserted ids ": [.

Object id ("62a1b5aac")

Objectid ("b2a1b500c")

]

}

5) Display Selected field.

```
db.pro.mobile.product.find(),{name:1
, price:1, Stock:1})
```

Output:-

```
{"id":objectid("62a1b3acc")"
      name":"realme","price":25000
         "stock":30}

{"id":objectid("62a1b5aac")},"name",
      "smartphone","price":25000
              "stock":30}

{"id":object("62a1b5aac")},name",
      "Redmi","price":25000"
         "stock":30}
```

6) Pretty format.

```
db.Mobile product.find({},{name
:1, price :1, stock:1}).prety()
```

Output:-

output:-

```
{ "id":object id ("62a1b3acc"),
"name"; "realme","price"; 30000,
"stock : 25}
{id" =objectid {"62a1b599c")'"name":
"smartphone"; price: 21000.
"stocc":30}

{ "id":objectid ("62a1b5a9c"),"name":
" ~~realme~~ realme", "price":" 35000'"
stock":353}
{"id":objectid ("62a1b500c"},"name":
" redmi", "price" "25000".
"stock":30}
```

Delete one mobile product.

```
db.mobile ~~product~~ product .delete one
({name :" realme"})
```

output:

```
{"acknowledge": true "delete count":1}
```

final display.

```
db. mobile produce . find ({}, {name:1,
        price :1, Stock:1}).mobileproduct
```

output.

```
    { "id": object id("621b3acc"),"
  "name": "realme":" ,"price": 30000,
      "stock": 25}
 { "id": object id ("621b399c"),"
      name", "realme", "price":
      28000 : "stock" = 31}
```

VEL TECH

EX NO.	10
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	
TOTAL (20)	15/20
SIGN WITH DATE	

14/10/2

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