

Task-10 CRUD OPERATIONS IN DOCUMENT DATABASE

Aim: To Perform mongoose using npm design on mango DB designing document database and Performing CRUD Operations like creating inserting querying finding and removing operations.

Steps:

step: 1) install mango 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 mongos DB shell binary's locations to your Path environment variable open the control Panel.

click ok to confirm your changes one each other modal.

click ok to confirm your changes

If your Path is configured correctly a list of valid command display.

step 4 open mongo shell v.0

step 5: file the CRUD commands given in text file

```
"_id" : object ObjectId("627d13acc73990c074c6397c");
```

```
"item" : "canvas",
```

```
"qty" : 100
```

```
} {
```

```
"id" : object ObjectId("627d1598c73990c074e6397d");
```

```
"item" : "Journal
```

```
"qty" : 100
```

```
} {
```

```
"id" : object ObjectId("627d1598c73990c074e6397d");
```

```
"item" : "Journal";
```

```
"qty" : 25
```

```
} { "_id" : object ObjectId("627d1598c73990c074c6397e");
```

```
"item" : "mat", "qty" : 15 }
```

```
{ "_id" : object ObjectId("627d1598c73990c074e63977");
```

```
"item" : "mouse pad",
```

```
"qty" : 25
```

```
}  
> db.mylab.find({item: "canvas"}) Pretty sort  
(x item : 1) }
```

```
{ "_id" : object ObjectId("627d13acc73990c074e6397c)
```

```
"item" : "Canvas"
```

```
"qty" : 100
```

```
"tag" : [
```


db create collection ("my lab")

{ok:1}

> db.mylab insertone {item: "command qty 100, tags: ["
cotton"]} size {h: 28, w: 35.5, com: "cm"}} {

"acknowledged": true

"inserted": {object_id: ("627d13acc7990c074e6397d")

> db.mylab find {item: "canvas"}

{ "_id": {object_id: ("627d13acc7990c074e6397d");

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

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

> db.mylab insertmany [{item: "journal", qty: 25, tags:

["blank", "sed"], size: { h: 14, w: 21, com: "cm" } }

{ item: "mat", qty: 85, tags: ["gray"], size:

{ h: 27.9, w: 35.5, com: "cm" } }, { item: "mousepad",

qty: 25, }

"acknowledged": true

"inserted_ids": [

object_id ("627d1598c73990c074e6397d")

object_id ("627d1598c73990c074e6397e")

object_id ("627d1598c73990c074e6397f")

]

"cotton"

{
 > db.my lab delete one (item: "Journal")

}

}

}

"_id": object ID ("627d1598c73990c074e6397d")

"item": "Journal",

"qty": 25

}

| VEL TECH - CSE | |
|-------------------------|----------|
| EX NO. | 10 |
| PERFORMANCE (5) | 6 |
| RESULT AND ANALYSIS (5) | 5 |
| VIVA VOCE (5) | 5 |
| RECORD (5) | |
| TOTAL (20) | 16 |
| SIGN WITH DATE | 14/03/25 |

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