

## TASK 10:-

Date:- 14/10/25

CRUD operations in Document database.

### Aim:-

To perform mongoose using npm design on mongo DB designing document database and performing CRUD operations like creating, inserting, querying, finding and removing operations.

### Steps:-

S-① Install mongo. db using following links  
<https://www.mongodb.com/try/download/community>

S-② Install mongo-sh using the link  
<https://www.mongodb.com/docs/mongodb-shell/>

S-③ To add the mongo DB shell binary's location 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 variable sections, select path and click Edit. The Edit environment variable modal displays.

S-④ open mongo shell 4.0 from:

c:\program files\mongoDB\server bin\mongod.exe

S-⑤ Type the CRUD (CREATE READ UPDATE DELETE) commands given intent file.

CRUD operations :-

db.create collection ("mylab")

{ "ok": 1 }

>

db.mylab insert one ( { item: "Canvas", qty: 100, tags  
: ["cotton"], size : { h: 28, w: 35.5, uom: "cm" } }

}

{

"acknowledged": true,

inserted ids: [

object id ("62 7d 1598 c73990 c074c 63 7d")

object id ("62 7d 1598 c78 990 c074c 63 97e"),

object id ("62 7d 1598 c 73 990 c074c 63 97f");

]

}

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

{ "-id": object id ("62 7d 13a c c73990 c074c 63 97c"),

"item": "Canvas", "qty": 100 }

{ "-id": object id ("62 7d 1598 c7399 c074c 63 97d"),

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

{ "-id": object id ("62 7d 1598 c73990 c074c 63 97c"),

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

{ "-id": object id ("62 7d 1598 c73990 c074c 63 97f");

"item": "mousepod", "qty": 25 }

{ "-id": object id ("62 7d 132 c 73990 c074c 63 97c");

"item": "journal";

"qty": 100



```
{ "-id": object id("627d1598c73990c074c6397d"),  
  "item": "canvas",  
  "qty": 25  
}
```

```
{ "-id": object id("627d13acc73990c074c6397c"),  
  "item": "canvas",  
  "qty": 100,  
  "tags": [  
    "cotton"  
  ],  
  "size": {  
    "h": 28,  
    "w": 35.5,  
    "uom": "cm"  
  }  
}
```

```
> db.mylab.delete one ({item: "journal"})  
.....  
.....
```

```
> db.mylab.find ( [ ], { item: 1, qty: 13 }).pretty()  
{  
  "-id": object id("627d1598c73990c074c6397e"),  
  "item": "journal",  
  "qty": 25  
}
```

{ "\_id": "objectid('627d1598c73990c074e6397e')",

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

{ "\_id": "objectid('627d1598c73990c074e6397f')",

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

VEL TECH CSE	
EX NO	10
PERFORMANCE (5)	8
RESULT AND ANALYSIS (5)	8
VIVA VOCE (5)	8
RECORD (5)	8
TOTAL (20)	15
SIGN WITH DATE	

VELTECH	
EX No.	
PERFORMANCE (5)	
RESULT AND ANALYSIS (3)	
VIVA VOCE (3)	
RECORD (4)	
TOTAL (15)	
SIGN WITH DATE	

Result:-

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