

# Task No:-10 CRUD operations in Document Database

Date:-14/10/25

Aim:- To perform mongoose using npm designing on Mongoos 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 mangosh using the below link

<https://www.mongodb.com/docs/mongodb-shell/#download-and-install-mangosh>

Step 3:- To add the mango DB shell binary's location to your path environment variable:

Open the control panel

In the System and security category, click system.

Click advanced system settings. The System properties modal display.

Click environment variables

In the system variable section, select path and click Edit. The Edit Environment variable modal displays.

Click new and add the filepath to your mangosh binary

Click ok to Confirm your changes on each other modal, click ok to Confirm your changes.

To confirm that your path environment variable is correctly configured to find mongosh, open a command prompt and enter the mongosh--help command.

If your path is configured correctly, a list of valid commands display.

Step 4:- open mango shell v.0 from C:\program files\mongo\bin\mongo.exe

```

{ "_id": "object Id ('627d1598e73990c074e6397f)", "item":
  "mousepod", "qty": 25 }
> db.mylab.find({}, {item:1, qty:1}).pretty()
{
  "_id": "object Id ('627d13acc73990c074e6397c)", "item": "
Canvas",
  "qty": 100
}
{
  "_id": "object Id ('627d13acc73990e6094e6397d)", "item":
  "Journal", "qty": 25
}
{
  "_id": "object Id ('627d1598c73990c074e6397e)", "item": "
max", "qty": 85 }
}
{
  "_id": "object Id ('627d1598c73990c074e6397f)", "item":
  "mousepod", "qty": 25
}
> db.mylab.find({item: "Canvas"}) pretty().sort({item: -1})
{
  "_id": "object Id ('627d13acc73990c074e6397c)", "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:1}).pretty()
{
  "_id": "object Id ('627d13acc73990c074e6397c)",
  "item": "Canvas",
  "qty": 100
}

```



```

    }
    }
    "_id": ObjectId("627d1598c73990c074e6397d"), "item":
    "Journal", "qty": 25
    }
    }
    "_id": ObjectId("627d1598c7890c074e6397e"), "item":
    "nar", "qty": 85 ?
    {
    "_id": ObjectId("627d1598c73990c074e6397f"), "item":
    "mousepad", "qty": 25 ?

```

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EX No.	
PERFORMANCE (5)	10
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	5
TOTAL (20)	15
SIGN WITH DATE	14/7/23

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