

Task - 10

CRUD operations in Document Database

aim: to perform Mongoose using NPM design
MongoDB designing document database

steps

Step: 1. Install MongoDB

Step: 2. Install Mongoose

: 3 To add the MongoDB shell binary's
location to your path

Control panel

system and security category, click system

advanced settings. The system model
lays

environmental variables

the system variables section, select path

click Edit

click New and add the file path

click OK to confirm your changes.

To confirm that your Path environment variable


is correctly configured to find mongoose.


open command prompt and enter mongoose

help command.

Step 4: open mongo shell from

c:\program files\mongodb\server\bin

• Employee (Employee_ID, Name, Department_ID, Job_Title, Hire_Date, Salary) 

10 • Department (Department_ID, Manager_ID) 

• Manager (Manager_ID, Name)

CRUD Operations:

db.createCollection("my lab")

("ok":1)

> db.my lab.insert one({item: "canvas", qty: 100,
tags: ("cotton"), size: {h: 28, w: 35, unit: "cm"}})

{
"acknowledged": true,

"inserted IDs": (

object Id ("627d1598c73990c074e6397d")

object Id ("627d1598c73990c074e6397e"),

object Id ("627d1598c73990c074e6397f")
})

> db.my lab.find({item: "canvas", qty: 100})

{ "_id": object-Id ("627d13acc7399074e6397e"),

"item": "canvas", qty: 100 }

{ "_id": object-Id ("627d1598c73990c074e6397d"),

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

{ "_id": object-Id ("627d1598c73990c074e6397e"),

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

> db.my lab.find({item: "canvas", qty: 100}, {pretty: 1})

{
"_id": object id ("627d13acc73990c074e6397c")

"Item": "canvas",

"qty": 100

```
{  
  "id": object ID("627d1598c73990c074e6397d"),  
  "item": "Journal",  
  "qty": 25  
}
```

```
3  
{ "id": object ID("627d1598c73990c074e6397e"),  
  "item": "mat", "qty": 85 }
```

```
> db.myLab.find({item: "canvas"}).pretty().sort  
  ({item: -1})
```

```
{  
  "id": objectId("627d139acc73990c074e6397e"),  
  "item": "Canvas",  
  "qty": 100,  
  "tags": {  
    "cotton":  
      },  
  "size": {  
    "h": 28,  
    "w": 35,  
    "unit": "cm"  
  }  
}
```

3

```
> db.myLab.delete one ({item: "Journal"})
```

```
-----  
-----
```


- $\text{Employee_ID} \rightarrow \text{Name}, \text{Department}, \text{Job_Title}, \text{Manager_ID}, \text{Hire_Date}, \text{Salary}$
(The Employee's ID determines all other attributes).
- $\text{Department} \rightarrow \text{Manager_ID}$ (The department determines the manager's ID).
- $\text{Manager_ID} \rightarrow \text{Name}$ (The manager's ID determines the manager's name).

7db.my find ({, \$item: 1, qty: 13}).pretty()

```
{  
  "_id": object ID("627d13acc73990c74e6397c")  
  "item": "canvas",  
  "qty": 100  
}
```

6.11.20

6.11.20

Result: Thus, the implementation of CRUD operations is successfully executed

VLS TECH - CSE	
EX NO	
PERFORMANCE (5)	10
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	5
TOTAL (20)	35
SIGN WITH DATE	10/11/20