

Task 8

Aim:- To perform mongoose using API design on mongo DB designing database and performing CRUD operations like creating, inserting, finding, removing operations

Steps:-

step 1:- Install mongo db using following link
<https://www.mongodb.com/try/download>

step 2:- Install mongosh using the below link
<https://www.mongodb.com/docs/mongosh-shell/#download-and-install-mongosh>

step 3:- To add the mongo DB shells binary's location to your path environment variable

3-1 open the control panel.

3-2 in the system and security variable section

3-3 click Advanced system settings. the system properties modal displays

3-4 click environment variables

3-5 In the system variables section, select path and click edit. the edit environment variable modal displays

3-6 click New and add the path to your mongosh binary

3-7 click OK to confirm your changes. on each other modal, click OK to confirm your changes

step 4:- 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 displays

Step 5:- Open mongo shell via from c:\program files (x86)\mongo\bin\mongo.exe

steps:- type the CRUD (CREATE READ UPDATE DELETE) COMMANDS GIVEN IN text file

CRUD OPERATIONS

db.createCollection("cricket Board")

{ "ok" : 1 }

> db.cricketBoard.insertOne({BoardID: "BID01",
Name: "Chennai cricket Board",
Address: "Chennai", phone: 9988776699});

{
"acknowledged": true,

"insertedId": ObjectId("651cf1726ebbf7a93ad8909")}

db.mylab.find({BoardID: "BID01"})

{ "_id": ObjectId("651cf1726ebbf7a93ad8909"),

"BoardID": "BID01", "Name": "Chennai cricket Board", "Address": "Chennai", "phone": 9988776699 }

db.cricketBoard.insertMany({BoardID: "BID02", Name: "Tiruvallur Cricket

Board", Address: "Chennai", phone: 9977886699},

{BoardID: "BID03", Name: "Viluppuram Cricket

Board", Address: "Viluppuram", phone: 9966886699},

{BoardID: "BID04", Name: "Trichy

Cricket Board", Address: "Trichy", phone: 9955886699},

{BoardID: "BID05", Name: "Madurai"

Cricket Board, Address: "Madurai", phone: 9944886699});

{
"acknowledged": true,

"insertedIds": [

ObjectId("651cee36ebbf7a93ad8904"),

ObjectId("651cee36ebbf7a93ad8905"),

ObjectId("651cee36ebbf7a93ad8906"),

ObjectId("651cee36ebbf7a93ad8907")

]

}
db.cricketBoard.find()

{ "_id": ObjectId("651cee36ebbf7a93ad8904"),

BoardID: "BID02", Name: "Tiruvallur

cricket Board", "address": "chennai",

{ "_id": objectId("651cece36ebbf7793ad899"),

"BoardID": "BT003", "Name":

"Viluppuram cricket Board", "address": "Viluppuram",

"phone": 9966886699 }

{ "_id": objectId("651cece36ebbf7793ad899"),

"BoardID": "BT004", "Name": "Trichy Cricket

Board

{ "_id": objectId("651cece36ebbf7793ad899"),

"BoardID": "BT001", "Name": "chennai

cricket Board", "address": "chennai", "phone":

9988776699 }

db.cricketBoard.find().pretty()

{

"_id": objectId("651cece36ebbf7793ad899"),

"BoardID": "BT002",

"Name": "Tiruvallur Cricket Board",

"address": "Viluppuram",

"phone": 9966886699

"_id": objectId("651cece36ebbf7793ad899"),

"BoardID": "BT003",

"Name": "Viluppuram cricket Board",

"address": "Viluppuram",

"phone": 9966886699

"_id": objectId("651cece36ebbf7793ad899"),

"BoardID": "BT004",

"Name": "Trichy cricket Board",

"address": "Trichy",

"phone": 9955886699

}

"_id": objectId("651cf172cebbe799adfa09"),

"BoardID": "BT001",

"Name": "chennai cricket Board",

"Address": "chennai",

"phone": 9988776699

}
db.cricketBoard.deleteOne({BoardID: "BT001"})

{ "acknowledge": true, "deleted count": 1 }

db.cricketBoard.find().pretty()

{
 "_id": objectId("651cee36ebbe7993adfa04"),

"BoardID": "BT002",

"Name": "trivallur cricket Board",

"Address": "chennai",

"phone": 9977886699

}

{
 "_id": objectId("651cee36ebbe7993adfa06"),

"BoardID": "BT004",

"Name": "trichy cricket Board",

"Address": "trichy",

"phone": 9955886699

}

"_id": objectId("651cf172cebbe799adfa09"),

"BoardID": "BT001"

"Name": "chennai

"Address": "chennai"

"phone": 9988776699

}

VEL TECH - CSE	
EXNO: 6	BoardID
PERFORMANCE (5)	
RESULT AND ANALYSIS (3)	
HIGHER (3)	
RECORD (4)	
DETAIL (15)	

Result: thus CRUD using MPM design on mongoDB
designing document database and performing CRUD
operations Inserting, querying, finding, removing
operations are performed.