

Task 8

Aim: To perform mongoose using API's 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/community>

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 shell's 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 file path to your mongo - 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 v4.0 from c:\programs files\mongo - DB \server\bin\mongod.exe

steps = type the CRUD (CREATE READ UPDATE DELETE)

COMMANDS GIVEN IN TEXT FILE

CRUD OPERATIONS

db.createCollection("cricket Board")

{"ok":1}

>db.cricket Board.insertOne({BoardID:"B1001",

Name:"Chennai cricket Board",

Address:"Chennai", phone:99887766997},

{
"acknowledged":true,

InsertedId:"ObjectId("651cf1726e79a3adfa09")"

db.mylab.find({BoardID:"B1001"})

{"_id":ObjectId("651cf1726e79a3adfa09"),

"BoardID":"B1001", "Name":"Chennai cricket

Board", "Address": "Chennai", "Phone": 99887766

997, db.cricket Board.insertMany(Boards, {"BoardID": "B1002", "Na

me: "Tiruvallur cricket",

Board": "Tiruvallur", "Address": "Chennai", "Phone": 99778866997},

{BoardID:"B1003", Name:"Viluppuram cricket

Board", Address: "Viluppuram", Phone: 99668866997},

{BoardID:"B1004", Name:"Trichy cricket",

Address: "Trichy", Phone: 99558866997},

{BoardID:"B1005", Name:"Madurai",

Address: "Madurai", Phone: 99448866997},

{
"acknowledged":true,

InsertedIDs:[

ObjectId("651ceee36ebbfe79a3adfa09"),

ObjectId("651ceee36ebbfe79a3adfa095"),

ObjectId("651ceee36ebbfe79a3adfa096"),

ObjectId("651ceee36ebbfe79a3adfa097"))

]

db.cricket Board.find()

{"_id":ObjectId("651ceee36ebbfe79a3adfa094"),

BoardID:"B1002", Name:"Tiruvallur

db. cricket Board-field(s). pretty()

"id": objectID("651ceef36e8bde7993add90f"),
"BoardID": "1B1D021",

Opposite "Name" : "Uttam Valley Cricket Board",
Facing "Address" : "Villupuram",

"id": ObjectID("651ce36e6bbf27997ad899"),
"BoardID": "1B5003",
"Name": "Villupuram Cricket Board",
"Address": "Villupuram",
"Phone": "9966886699

"Board & D": "BSI Devu"

1) Name: Trichy Cricket Board 11,

"Address": "richy"

Phone 1: 9958 886699

1

```

  "id": ObjectId("651cf172cebbfc7a9adff9e94"),
  "BoardID": "B5D001",
  "Name": "Chennai Cricket Board",
  "Address": "Chennai",
  "Phone": "9988776699"
}

db.cricketBoard.deleteOne({BoardID:"B5D003"})
{
  "acknowledge": true,
  "deletedCount": 1
}

db.cricketBoard.find().pretty()
{
  "-id": ObjectId("651ceee36ebbd7993adfa04"),
  "BoardID": "BFD002",
  "Name": "Trichy Cricket Board",
  "Address": "Chennai",
  "Phone": "9977886699"
}

{
  "-id": ObjectId("651ceee36ebbd7a93adfa06"),
  "BoardID": "BFD004",
  "Name": "Trichy Cricket Board",
  "Address": "Trichy",
  "Phone": "9955886699"
}

{
  "-id": ObjectId("651cf172cebbfc7a9adff9e94"),
  "BoardID": "BFD001"
}

```

VEL TECH - CSE	
EXPOSED AGENTS	PERFORMANCE (5)
RESULTS AND ANALYSIS (3)	GRADE (3)
RECORD (4)	FINAL (5)

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