Task-8:- CRUD operations in Document databases.

Aim:- To perform Managese using NPM design a Mongo DB designing document database and performing CRUD operations like creating, inserting, queuing, 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/mongodb-shell/#download-and-install-mongosh

step-3:- To add the MongoDB shell binary's location to your PATH environment variable:

Step-3.1: Open the control panel.

Step-3.2: In the system and security category, click system.

Step-3.3: Click advanced system setting. The system properties modal displays

Step-3.4: Click environmental variables.

Step-3.5: In the system variables section, select Path and click Edit. The edit environment variable modal displays.

Step-3.6: Click New and add the filepath to your mongosh binary.

Step-3.7: Click ok to confirm your changes. one each other modal, click ok to confirm your changes.

Step-4: TO confirm that your ATH environment variable is Corectly configured to find mongosh, open a command prompt and enter the mongosh --help command. If your PATH is configured Corectly, a list of valid commands displays.

Step-5: open mongo shell i.e from C:\program files\mongoDB\Server\bin\mongod.exe

Step-6: Type the CROD (Create Read update Delete) commads given in text file.

CRUD OPERATIONS:-

db. create Collection ("cricket Board")

{ "ok":1}

>db. cricket Board insert one ({Board ID: "BID01", Name:"
Chennai cricket Board", Addres:" Chennai", phone: 9988776699});

{
"acknowledged": true,
"inserted ID": ObjectId ("651 of 1726e bbfe 7993 adf 999")
}

db. mylab . find ({Board ID : BID01"})

{ "_id": ObjectId ("651 of 1726 ebbfe 7993adf 909 "), "BoardID":
"BID01, "Name": "Chennai cricket Board", Address": "chennai",
"phone": 9988776699 }

db. cricket Boad . insert Many ([{Board ID: "BID02", Name: "Tirunelveli
cricket Board", Address: "chennai", phone: 9977886699 }, {Board ID:
"BID03", Name: "Viluppuram Cricket Board", Adress: "viluppuram",
phone: 9966886699}, {Board ID: "BID04", Name: "Trichy cricket Board",
Address: "Trichy", phone: 9955 886699}, {Board ID: BID05",
Name: "Madurai cricket Board", Address: "Madurai", phone:
9944486699}]);

{
"acknowledged": true,
"insert Ids": [
ObjectId ("651ceee36ebbfe 7993adf 904"),
ObjectId ("651ceee36ebbfe 7993adf 905"),
ObjectId ("651ceee36ebbfe 7993adj 906"),
ObjectId ("651ceee36ebbfe 7993adj 907")
]
}

db Cricket Board.find()

{"_id": objectId("6516eee36ebbfe7993adf90a"), "BoardID": "BIDO2", "Name": "Tirunallur Cricket Board", "Address": "chennai", "phone": 9977886699}

{"_id": objectId("6516eee36ebbfe7993adj905"), "BoardID": "BIDO3", "Name": "Villupuram Cricket Board", "Address": "villupuram", "phone": 9966886699}

{"_id": objectId("6516eee36ebbfe7993adj906"), "Board ID": "BIDO4", "Name": "Trichy Cricket Board", "Address": Trichy", "phone": 9955886699}

{"_id": objectId("6516eee36ebbfe7993adf907"), "Board ID": "BIDO5", "Name": Madurai Cricket Board", "Address": Madurai", "phone": 9944886699}

{"_id": objectId("6516eee36ebbfe7993adj909"), "BoardID": "BIDO1", "Name": "Chennai Cricket Board", "Address": Chennai", "phone": 9988776699}

db.CricketBoard.find().pretty()

{
"_id": objectId("6516eee36ebbfe7993adj904"),
"BoardID": "BIDO2",
"Name": Tirunallur Cricket Board",
"Address": "chennai",
"phone": "chennai",
"phone": 9977886699
}

{
"_id": objectId("6516eee36ebbfe7993adj905"),
"BoardID": "BIDO3",
"Name": "Villupuram Cricket Board",
"Adress": villupuram",
"phone": 9966886699

VEL TECH - CSE	
EX NO.	8
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	3
RECORD (5)	5
TOTAL (20)	18
SIGN WITH DATE	

Result:-

Thus CRUD using open design on mongo.DB designing document database and performing CRUD operation like creating querifying, updating, deleting, operations, are performed.