

## Task-8 : CRUD operations in Document database

Aim: To Perform mongoose using NPM design on mongoose designing document database and performing CRUD operations like creating, inserting, querying, finding, removing operations.

Steps:

1. Install Mongo db using following link.  
<https://www.mongodb.com/try/download/community>
2. Install mongosh using the below link.  
<https://www.mongodb.com/docs/mongodb-shell/>
3. To add the MongoDB shell binary location to your PATH environment variable.
  - 3.1 open the Control Panel
  - 3.2 In the system and security category, click system.
  - 3.3 click Advanced system settings. The system properties modal display
  - 3.4 click Environment variable.
  - 3.5 In the system variable section, select path and click Edit. The edit environment variable modal display.
  - 3.6 click New and add the file path to your mongosh binary
  - 3.7 click ok to confirm your changes
4. To confirm that your path environment variable is correctly configured to find mongosh, open a command prompt and enter mongosh -help command. if your path is configured correctly, a list of valid commands display.
5. open mongo shell 4.0 from C:\Program Files\mongo 3.8\server\bin\mongo.exe.

6. Type the CRUD commands given in text file.

CRUD operations:

db: create Collection ("Cricket Board")

{ "ok": 1 }

> db.Cricket Board.insert one ( { Board ID: "B1001", Name: "chennai cricket Board", Address: "chennai", Phone: 9988776699 } );

✓

"acknowledged": true

"insertedId": ObjectId("651cf1726ebbf67993ad7909")

```

db.mylab.find (Board ID: "BID01", "Name": "chennai cricket Board",
{"_id": object id ("651ceee36ebbf7993adf904"),
"Address": "chennai", "Phone": 9988776699}
db.cricket Board.insert Many {Board ID: "BID02", Name: "Tiruvallur cricket
Board", "Address": "chennai", Phone: 9977886699}, {Board ID:
"BID03", Name: "Villupuram cricket Board",

```

```

{"acknowledged": true,

```

```

"insertedIds": [
object id ("651ceee36ebbf7993adf904"),
object id ("651ceee36ebbf7993adf905"),
object id ("651ceee36ebbf7993adf906"),
object id ("651ceee36ebbf7993adf907")
]

```

```

3
db.cricket Board.find()
{"_id": object id ("651ceee36ebbf7993adf904"), "Board ID":
"BID02", "Name": "Tiruvallur cricket Board", "Address": "chennai",
"Phone": 9977886699}
{"_id": object id ("651ceee36ebbf7993adf905"), "Board ID": "BID03",
"Name": "Villupuram cricket Board", "Address": "Villupuram",
"Phone": 9966886699}
{"_id": object id ("651ceee36ebbf7993adf906"), "Board ID": "BID04",
"Name": "Trichy cricket Board", "Address": "Trichy",
"Phone": 9955886699}
{"_id": object id ("651ceee36ebbf7993adf907"), "Board ID": "BID05",
"Name": "Madurai cricket Board", "Address": "Madurai", "Phone": 9966558899}
{"_id": object id ("651ceee36ebbf7993adf909"), "Board ID": "BID01", "Name":
"chennai cricket Board", "Address": "chennai", "Phone": 9988776699}
db.cricket Board.find(); pretty()
{"_id": object id ("651ceee36ebbf7993adf904"),
"Board ID": "BID02",
"Name": "Tiruvallur cricket Board",

```



"Address": chennai  
"Phone": 9977886699

{  
 "\_id": object id ("651ceee36ebbfe7993adf905"),  
 "Board ID": "BID03",  
 "Name": "Vilupuram cricket Board",  
 "Address": "vilupuram",  
 "Phone": 9966886699  
}

{  
 "\_id": object id ("651ceee36ebbfe7993adf906"),  
 "Board ID": "BID04",  
 "Name": "Trichy cricket Board",  
 "Address": "Trichy",  
 "Phone": 9955886699.  
}

{  
 "\_id": object id ("651ceee36ebbfe7993adf907"),  
 "Board ID": "BID00",  
 "Name": "madurai cricket Board",  
 "Address": "madurai",  
 "Phone": 9944886699.  
}

{  
 "\_id": object id ("651cf1726ebbfe7993adf909"),  
 "Board ID": "BID01",  
 "Name": "chennai cricket Board",  
 "Address": "chennai",  
 "Phone": 9988776699.  
}

db.cricket Board: delete one ({ Board ID: "BID03" })  
{ "acknowledged": true, "deleted count": 1 }  
db.cricket Board: find().pretty()

```

{
  "_id": "object Id ("651ceee36ebffe7993adf904")",
  "Board ID": "BID02",
  "Name": "Tissuallu cricket Board",
  "Address": "chennai",
  "phone": 9977886699
}

```

```


{
  "_id": "object Id ("651ceee36ebffe7993adf906")",
  "Board ID": "BID04",
  "Name": "Tricky cricket Board",
  "Address": "Tricky",
  "phone": 9955886699
}

```

```

{
  "_id": "object Id ("651cf1726ebbfe7993adf909")",
  "Board ID": "BID01",
  "Name": "chennai cricket Board",
  "Address": "chennai",
  "phone": 9998776699
}

```

VEL TECH - CSE	
EX NO.	8
PERFORMANCE (5)	6
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	5
TOTAL (20)	20
SIGN WITH DATE	

They, CRUD using NPM design on mongoDB designing document database and performing CRUD operations like creating, inserting, querying, finding, removing operations are performed