TASK 8:- CRUD Operations in Document database

Aim:- To perform mongoose NPM design on mongoos designing document database and performing CRUD operations like creating, inserting querying, removing operations.

STEPS)

Step 1):- Install mongodb using following link
https://www.mongodb.com/try/download/community

Step 2):- Install mongosh using the below link.

Step 3):- To add mongodb shell binarys, locate to your PATH. environment variable.

3.1 open the control panel.
3.2 In system and security, category, click system.
3.3 click Environment variables.
3.4 In the System variable section, select path click Edit. the Edit environment

step4):- To confirm you path environment variable is correctly configured to find mongosh, open command prompt and enter the mongosh -help command. It your path B configured correctly

Step5:- open mongo shell 4.0 from c:\program files\mongo DB\server\4.1\mongod.exe

step6:- Type CRUD (create Read update Delete).commmds gum in Text file.

CRUD operations

```
db.create collection ("cricket board");
{ "ok": 1}

> db.cricketboard.insertone(Board ID:"BoDO):Name:"chennai
  cricket Board", Address:"chennai", phone:24873466553});
{ "acknowledged": true,
  "insertedId": objectid ("651cf172 6cbfe7993 cdf909")}
}

db.mylab.find [Board ID:"BiDO1"}]
{ "id": objectId ("65164126ccbfe79434f904") "BoardID":"BiDO1",
  Name:"chennai cricketboard", Address:"chennai", phone:"
  99876 54323}

db.cricket board insertMany([Board ID)"BiDO2", Name:"Trivellur
  cricket Board", Address:"chennai", phone:9976689 25-]{Board #D:"BIDO3",
  Name: vilupuram. cricket.
  Board", Addres: vilupuram", phone -946689 699), (Board #D:"BIDDO;
  Name vilupuram cricket.
  cricketBoard, Address:"Trichy", Phone: 993587 6694 },{ BIDO3", Name,
  Madurai cricket Board", Address: "Madurai ,phone :4955 406993}

{"id": object ID ("651 6ce 36 cbfe749 ed f904"); "channai" ; BoardID:
  vilppuram cricketboard; Address "channai ; BoardID:"BiDO", Name")
{ -id": object ID ("651 6ce38cbfe749 Address"; channai ;BoardID:"BiDO2", Name"); Phone:947787 6547}
  vilppuram cricketboard:Address ; BoardID:"BiDO3"; Name")
{ -"id: object Id ("65) cce fee3 bfdfe 3793d 902 "); BoardID:"BiDO3", Name")
  Madurai crickt Board, Address "; phone: 98635 4660}

db.cricktt Board find (). pretty ()
{ "d": object ID ("65fee 36 cbfe 7u434 f904" 3;
  "Board ID":"BiDO",
  "Name":"Trivallur cricket board";
  "Address": channai,
  "phone": 04978 86949.
```

{ "_id": ObjectId("651ccee36fbfe793a0f905"),
  "Board ID": "BID03",
  "Name": "villupuram cricket Board",
  "Address": "villupuram",
  "Phone": "9497 66 893"
}

{ "_id": ObjectId("651ccee36fbfe793a0f905"),
  "Board ID": "BID03",
  "Name": "Trichy cricket board",
  "Address": "Trichy",
  "Phone": "9496 19 40"
}

{ "_id": ObjectId("651ccee36fbfe793a0f905"),
  "Board ID": "BID02",
  "Name": "Chennai cricket board",
  "Address": "Chennai",
  "Phone": "8490373321"
}

db.cricketboard.deleteOne({Board ID: "BID03","3"})
{ acknowledged: true, "deletedCount": 1 }

db.cricketboard.find().pretty()

{ "_id": ObjectId("651ccee36fbfe793ed 904"),
  "Board ID": "BID02",
  "Name": "Tiruvallur cricket board",
  "Address": "Trivellur",
  "Phone": "99 014 27321"
}

{ "_id": ObjectId("651c4f76 76ffcb 94rd901"),
  "Board ID": "BID01",
  "Name": "Chennai cricket board",
  "Address": "Chennai",
}

Result: Thus CRUD using NPM, design an mongo DB designing document database and performing for CRUD operating like creating, querying, finding, removing, operations are performed.

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