Aim: To perform mangoose using NPM design on Mangoos designing do current database and performing CRUD operations like Creating, inserting, quering, finding and removing operations.

Steps :

Step1: "install mongo db using following link. https://www.mongodb.com/try/download/community.

step2: install mongosh using the below link. https:// WWW. mangodb.com/docs/mongodb-stell/# douanload-ard-install-mangrosh

Step 3? To add the Mango DB shell binary's location to your PATH environment theriable:

open the Control panel.

In the System and security category, click system. click Advanced system by settings. The System properties modal displays

click Environment variables.

In the system warables section, select path and click Edit. The Edit Environment Variable modal

click new and add the fidepath to your mongosh binam desplays. dick Ok to confirm your changes on each other modal, elect bk to confirm your changes.

To confirm that your prob. 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 Walld Commands displays.

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step 4: open mongo shell 4.0 from c: | programfiles /
mangoob 1 server bin 1 mangod, exe.
```

Step 5: Type the CRUD (CREATE READ UPDATE DELETE) COMMANDS GIVEN IN TEXT FILE.

## CRUD OPERATIONS:

ab. create collection ("my lab")

>db. mylab. InsertOne (& 9tem: "Cannas", 7ty: 100, tags:

["cotton"], size: (h:28, W:85.5, wom: "cm"}})

Hackraolodged 11: true,

"Inserted Id": Object Id!" 627d13acc 73990 c074e6397c")

>db. mylab. find (fitem: "canvas"))

["Id: object Id ("627d13acc 73990c 074e6397c"), "item": "cantas",

"aty":100, "tags": ["cotton"], " size: " { "h":28, " W":35.

"ugto": "cm"}}

db.mylab. Insert Many ([fitem: "journal", 9ty: 25, tags:

["blank", "red"], size: {h:14, W:21, uom: "cm"}}, {item: "mat",

qty:85, tags: ("gray"), size: [h:27.9, W:35.5, com; "cm"]}

Sitem: "mousepad", 9ty: 25, tags: ["gel", "blue"], seze:

of h:19, W: 22-85, wom: "om" 3])

"actrocologid" : tive,

"incerted Ide":[ object & ("627d1598c73970c074e6397d"),

Tobjected ("627d1598C73970c074e6397e"),

object 2d ("627 d 159 & C7399 Oc 0 74 e 6397 f")

>db.mylab.find({}, fitem:1, qty:1})

("8d": Object Id ("627 d13acc 73990 c074 e 6397 c"), "item": "convas" 119ty": 1004

```
["_id": Object Id ("627d1598c73990c074e6897d"),
      "item": "journal", "qty": 253
  {"_Pal": Object Id ("627d1598c 739900074e6397e"),
     "item": " mat", 'apty": 85}
  {"ia": ObjectId ("627d1598c73990C074e6397f"),
    ""tero": "mousepad", "qty": 25}
 >db-mylab.fina( }, { stem: 1, 9, ty: 13). pretty()
 "-id": Objected ("627d13acc73990c074e6397c"),
 "item": "canvas",
 "9ty":100
9 "id": Object Id ('627d18acc 78990co74e6397d"),
 of "Hem": "journal",
    " 9ty": 25
{ "_id": objectId("627d1598c73990c07te6397e"), "item": "mat",
  "9ty":85 3
1 -id": object Id ("62 td 15 98 c 73990 c 0 74 e 63 9 7 "),
  "frem": "mouse pad",
 "9+4": 25
7 ab. roylab. find (fitem: "Canilas"). pretty1). Sort (fitem:-1)
"312": Object Id ("627d13acc73990c074e6397C"),
 " "tem": " Caniba!, " aty": 100, tags : ["cotton"],
 "5732": $ "K": 28, "W": 35.5, "ugm": "cm" }
 >do mylab. delete One (fitem: "journal"}
 >dbmylab.find(f], (gtem:1, aty:1). pretty()
 "-id": object tol ("6271 Bacc 73990 , 074663970"),
   Item": "Canvas",
   " aty": 100
```

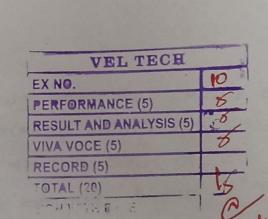
```
{
    "!":d":Object Id ("62 + d|598 c 73990 CO74 e 6397 d"),
    "flem": "journal",
    "qty":25
}

["cd":Object Id ("62 + d|598 c 73990 CO74 e 6397 e"),
    "red": "mat", "qty":85}

1' stem": "mat", "qty":85}

["cd":Object Id ("62 + d|598 c 73990 CO74 e 6397 f"),
    ""item": "mat", "qty":25}

"stem": "mousepad", "qty":25}
```



Results the implementation of CRUD operations like Creating, inserting, finding and removing operations using MongoDB is successfully executed.