Aim:

To perform Mongoose using npm design on MangoDB designing document database and perform CRUD operations like creating, inserting, querying, finding and removing operations.

Steps:

1) Install Mango DB using following denk https://www.mangodb.com/das/mangodb-shell/# download

2) To Add the Mango DB shell binary location to your PATH environment variable

→ Open the control panel
In the system and security category, click System.

click Advanced system setting the System properties model displays

click Environment variable

click New and add the file path to your mongoose binary.

click ok to confirm your changes on each over model, click ak to confirm your changes.

3) open mango shell to from
c:\program files\mango DB\server\bin
mongod.exe

4) use the CURD.

```
db createCollection("mylist")
["ok": ]

> db mylist insertOne ({item: "canvas", qty:
tags:
["cotton"] size={h: 28, w: 35.5, cm: two})
{
  "acknowledged" : true,
  "insertedId": ObjectId("6...f5a...3...b...n
                              eb99...c")
}
> db mylist find ({item: "canvas"})
{"_id": ObjectId("...b...3...2 3...f...b...td...
{
  "canvas", "qty": 100, "tags": ["cotton"] size {
    {h: 28, w": 355, "com": two}}
> db mylist insertmany ({item: "journal",
  qty=25, tags ["blank", "red"], size={h:
  w: 21, com: "cm"}}, {item: "mat", qty:
  85, tags[ "gray"] size { h: 27.9, w: 35.5,
  com:"c"}}, {item: "mousepad", qty: 25,
  tags:["gel", "blue"], size: {h:19, w: 23, 85
  com = "cm"}])
{
  "acknowledged": true,
  "insertedIds": [
    ObjectId("62 7a1 595c1 5a ec 077...
    ObjectId("62 7a1 595c 759a...o 4....5...9..)
```

> db.myitems.find({}, {items: qty: 1})

{ "_id": objectId("627d13aab73aabe6071e6397),
"item": "camera", "qty": 100}

{ "_id": objectId("627d13aab73aabe6071e6398),
"item": "keyboard", "qty": 25}

{ "_id": objectId("627d13aab73aabe6071e639b),
"item": "mouse pad", "qty": 55}

{ "_id": objectId("627d13aab73aabe6071e639c),
"item": "boat", "qty": 55}

> db.myitems.find({}, {item: 1, qty: 1}).pretty()

{
"_id": objectId("627d13aab73aabe6071e6397"),
"item": "camera",
"qty": 10
}
{ "_id": objectId("627d13aab73aabe6071e6398"),
"item": "keyboard",
"qty": 25
}
{ "_id": objectId("627d13aab73aabe6071e6399"),
"item": "mouse", "qty": 55
}
{ "_id": objectId("627d13aab73aabe6071e639b"),
"item": "mouse pad",
"qty": 25
}

```
> db.mylab.find({item: "cauces"}).pretty() sort({item:1})
{
  "id": objectID("627a13aca7899a0c074e6397e")
  "item": cauces',
  "qty": 100,
  "tags": ["cotton"],
  "Size": {'h":28, "w":355, "oom":tm'}
}
> db.mylab.deletone.({item: "jouces"})
```

Result:

The implementation of CRUD operations like create, insert, update, delete and company operation using mongoDB & sqlalchemy executed