	NAME: DIVYANG BAGLA FINAL YEAR B. TECH PAGE NO: PAGE NO
	PANEL PAGE NO:
	c-3
	BDA LAB ASSIGNMENT -1
	AIM: create a sample datalease using mangodo
	and implement CRUD operations.
_	TOURNACO CONTRACTOR OF THE PROPERTY OF THE PRO
	DRIECTIVES:
•	To learn NOSOL database mangods.
•	To study and execute crub operations.
	PROBLEM STATEMENT:
_	20 create a Rample database using mongodo and
	implement CRUD operations.
	The state of the s
-	THEORY:
	No adb command comme
	Mongodb command ccrub):
-	Create:
1.7	Database 2) les database panse
	collection > db. create Collection ("my call"")
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2)	Insert document:
	db. collection-name insest (doe)
	Marine to I ture for many and the profession
3)	Read !- Reading does from a rellection
	db. collection. gind().
47	Update: Update accument of collection.
	ab. collection update One 1).
	db. collection, update Many ().
	db. collection. replace One 1).
	THE RESIDENCE OF THE PARTY OF T

ab. collection. delete Onel.

TWENT: Cueromes datalease

Overry: Execution of all commands mentioned of

PLATFORM: Milindones

CONCLUSION: There was leasn the Eighter and the way

Mongo do commands

FARS

- El weat are CRUP operations? Sist some of shem. CRUP aperators refer to louise create, read, updales delete?
- Explained in theory alrove.
- Sol compare sol and no sol.

 Rome Distributed DMS.
 - Vertically & catable Hoizontal & catable.

 Not suitable nien-hical Suitable por hierascrical

 Can be used but complex Not good for complex
 - queries

 Fixed sceneurs Dynamic Scenema
- 0.2 Compare and eaplain mongo, mongod and mongos?
 - mongo!
 - 1) Invenctive sure juvespace se mengo DB
 - 2) Becretdes pouverpul ûnéerface for system administrator

	PLOE NO:
_3	one mongaenell is encluded as a part of mongo De Rever installation
2	Mengod:
	It is a primary doman process for mongod b system of handle data request manages data occasion person leachground management operation. Mongod is mongo domain i. R. the host process for datalease when you start.
-	Mangos! For a enaded clueter the mongres instance provide the interforce the client application and snaved cluster. The mongres instance troute quesice and costo

```
1. show dbs
> show dbs
EMP
        0.000GB
admin
        0.000GB
company 0.000GB
config
        0.000GB
dib
        0.000GB
hr
        0.000GB
imdb
        0.136GB
local
       0.000GB
test
        0.000GB
2. use
> use petShop
switched to db petShop
show collections
> show collections
pets
4. createCollection
> db.createCollection("pets")
{ "ok" : 1 }
5. insert
> db.pets.insert({name: "Tommy", species: "German Sepherd"})
WriteResult({ "nInserted" : 1 })
insertMany
> db.pets.insertMany([
... ... {name:"Mikey",species:"Gerbil"},
... ... {name: "Davey Bungooligan", species: "Piranha"},
... ... {name: "Suzey B", species: "Cat"},
... ... {name:"Mikey",species:"Hotdog"},
... ... {name: "Terrence", species: "Sausagedog"},
... ... {name:"Philomena Jones",species:"Cat"}
... ... ])
{
        "acknowledged" : true,
        "insertedIds" : [
               ObjectId("61556fd6f9a9c9e9e9acaf94"),
               ObjectId("61556fd6f9a9c9e9e9acaf95"),
               ObjectId("61556fd6f9a9c9e9e9acaf96"),
```

```
ObjectId("61556fd6f9a9c9e9e9acaf97"),
                ObjectId("61556fd6f9a9c9e9e9acaf98"),
                ObjectId("61556fd6f9a9c9e9e9acaf99")
        ]
}
7. insertOne
> db.pets.insertOne({name: "Skinny", species: "Brown Cat"})
{
        "acknowledged" : true,
        "insertedId" : ObjectId("61557016f9a9c9e9e9acaf9a")
}
8. deleteOne
> db.pets.deleteOne({"name" : "Tommy"})
{ "acknowledged" : true, "deletedCount" : 1 }
9. deleteMany
> db.pets.deleteMany({"name" : "Mikey"})
{ "acknowledged" : true, "deletedCount" : 2 }
10. dropDatabase
> db.dropDatabase()
{ "ok" : 1 }
> show dbs
EMP
         0.000GB
         0.000GB
admin
config 0.000GB
dib
         0.000GB
         0.000GB
hr
imdb
        0.136GB
local
         0.000GB
petShop 0.000GB
         0.000GB
test
>
11. remove
> db.pets.remove({})
WriteResult({ "nRemoved" : 5 })
> db.pets.find()
12. updateOne
> db.pets.updateOne({ "name" : "Mikey" } , { $set : {"species" : "German" } } ...
```

```
Sepherd"}})
{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }
> db.pets.find()
{ "_id" : ObjectId("615572a9f9a9c9e9e9acaf9b"), "name" : "Mikey", "species" :
"German Sepherd" }
{ "_id" : ObjectId("615572a9f9a9c9e9e9acaf9c"), "name" : "Davey Bungooligan",
"species" : "Piranha" }
{ "_id" : ObjectId("615572a9f9a9c9e9e9acaf9d"), "name" : "Suzey B", "species" :
{ "_id" : ObjectId("615572a9f9a9c9e9e9acaf9e"), "name" : "Mikey", "species" :
"Hotdog" }
{ "_id" : ObjectId("615572a9f9a9c9e9e9acaf9f"), "name" : "Terrence", "species" :
"Sausagedog" }
{ "_id" : ObjectId("615572a9f9a9c9e9e9acafa0"), "name" : "Philomena Jones",
"species" : "Cat" }
13. updateMany
> db.pets.updateMany({ "species" : "Hotdog" } , { $set : {"name" : "Katie"}})
{ "acknowledged" : true, "matchedCount" : 2, "modifiedCount" : 2 }
> db.pets.find()
{ " id" : ObjectId("615572a9f9a9c9e9e9acaf9b"), "name" : "Mikey", "species" :
"German Sepherd" }
{ "_id" : ObjectId("615572a9f9a9c9e9e9acaf9c"), "name" : "Davey Bungooligan",
"species" : "Piranha" }
{ "_id" : ObjectId("615572a9f9a9c9e9e9acaf9d"), "name" : "Suzey B", "species" :
{ "_id" : ObjectId("615572a9f9a9c9e9e9acaf9e"), "name" : "Katie", "species" :
"Hotdog" }
{ "_id" : ObjectId("615572a9f9a9c9e9e9acaf9f"), "name" : "Terrence", "species" :
"Sausagedog" }
{ "_id" : ObjectId("615572a9f9a9c9e9e9acafa0"), "name" : "Philomena Jones",
"species" : "Cat" }
{ " id" : ObjectId("61558e8bf9a9c9e9e9acafa1"), "name" : "Katie", "species" :
"Hotdog" }
14. save
> db.pets.save({"name": "Sammy" , species : "rabbit" })
WriteResult({ "nInserted" : 1 })
> db.pets.find()
"German Sepherd" }
{ "_id" : ObjectId("615572a9f9a9c9e9e9acaf9c"), "name" : "Davey Bungooligan",
"species" : "Piranha" }
{ "_id" : ObjectId("615572a9f9a9c9e9e9acaf9d"), "name" : "Suzey B", "species" :
"Cat" }
{ "_id" : ObjectId("615572a9f9a9c9e9e9acaf9e"), "name" : "Katie", "species" :
"Hotdog" }
{ "_id" : ObjectId("615572a9f9a9c9e9e9acaf9f"), "name" : "Terrence", "species" :
```

```
"Sausagedog" }
{ "_id" : ObjectId("615572a9f9a9c9e9e9acafa0"), "name" : "Philomena Jones",
"species" : "Cat" }
{ "_id" : ObjectId("61558e8bf9a9c9e9e9acafa1"), "name" : "Katie", "species" :
"Hotdog" }
{ "_id" : ObjectId("61558f7ef9a9c9e9e9acafa2"), "name" : "Sammy", "species" :
"rabbit" }
> db.pets.save({"_id": 10 , "name": "Sammy" , species : "rabbit" })
WriteResult({ "nMatched" : 0, "nUpserted" : 1, "nModified" : 0, "_id" : 10 })
> db.pets.find()
{ "_id" : ObjectId("615572a9f9a9c9e9e9acaf9b"), "name" : "Mikey", "species" :
"German Sepherd" }
{ "_id" : ObjectId("615572a9f9a9c9e9e9acaf9c"), "name" : "Davey Bungooligan",
"species" : "Piranha" }
{ "_id" : ObjectId("615572a9f9a9c9e9e9acaf9d"), "name" : "Suzey B", "species" :
"Cat" }
{ "_id" : ObjectId("615572a9f9a9c9e9e9acaf9e"), "name" : "Katie", "species" :
"Hotdog" }
{ "_id" : ObjectId("615572a9f9a9c9e9e9acaf9f"), "name" : "Terrence", "species" :
"Sausagedog" }
{ "_id" : ObjectId("615572a9f9a9c9e9e9acafa0"), "name" : "Philomena Jones",
"species" : "Cat" }
{ "_id" : ObjectId("61558e8bf9a9c9e9e9acafa1"), "name" : "Katie", "species" :
"Hotdog" }
{ "_id" : ObjectId("61558f7ef9a9c9e9e9acafa2"), "name" : "Sammy", "species" :
"rabbit" }
{ "_id" : 10, "name" : "Sammy", "species" : "rabbit" }
15. find
> db.pets.find()
{ "_id" : ObjectId("615572a9f9a9c9e9e9acaf9b"), "name" : "Mikey", "species" :
"German Sepherd" }
{ "_id" : ObjectId("615572a9f9a9c9e9e9acaf9c"), "name" : "Davey Bungooligan",
"species" : "Piranha" }
{ " id" : ObjectId("615572a9f9a9c9e9e9acaf9d"), "name" : "Suzey B", "species" :
"Cat" }
{ "_id" : ObjectId("615572a9f9a9c9e9e9acaf9e"), "name" : "Katie", "species" :
"Hotdog" }
{ "_id" : ObjectId("615572a9f9a9c9e9e9acaf9f"), "name" : "Terrence", "species" :
"Sausagedog" }
{ "_id" : ObjectId("615572a9f9a9c9e9e9acafa0"), "name" : "Philomena Jones",
"species" : "Cat" }
{ "_id" : ObjectId("61558e8bf9a9c9e9e9acafa1"), "name" : "Katie", "species" :
"Hotdog" }
{ "_id" : ObjectId("61558f7ef9a9c9e9e9acafa2"), "name" : "Sammy", "species" :
"rabbit" }
{ "_id" : 10, "name" : "Sammy", "species" : "rabbit" }
```