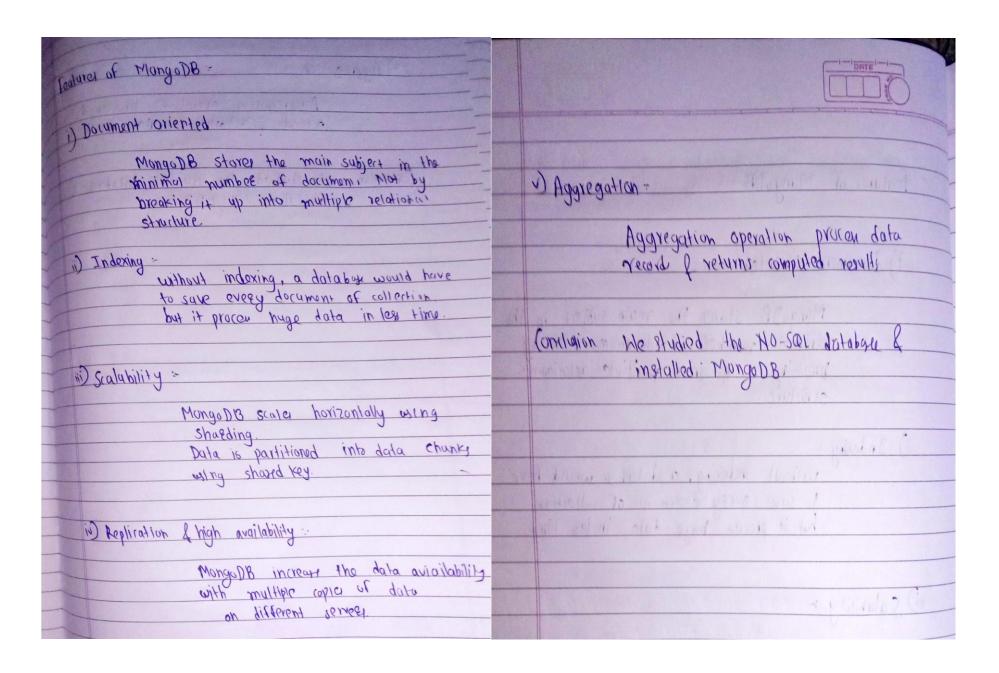
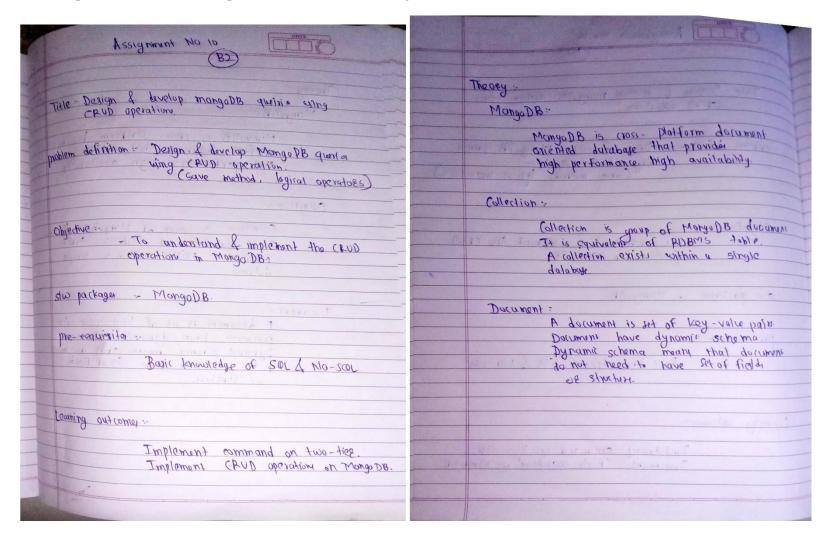
Roll No:- 31384

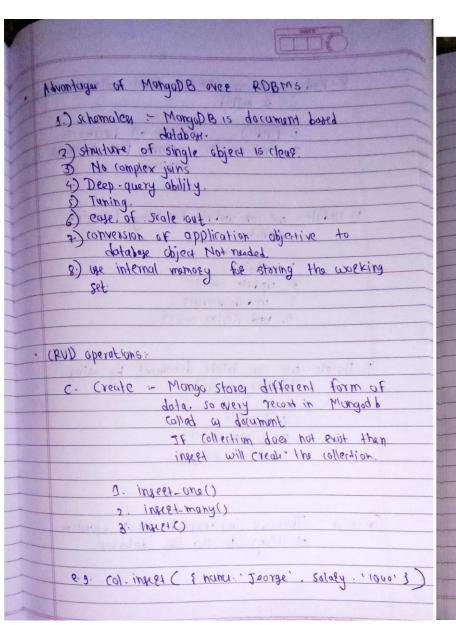
MongoDB B-1 Assignment Write-Ups :-

BI	Theory
Title - Study of Open source Nosqu Databay. Mongo DB public dolinitum: Implement database with suitable example	Mongo DB is an open-source document dotatory that provides high performance, high availability and analysis scaning.
publican dolimition: Implement database with suitable example using MongoDB & implement study of open source No. SOL Database.	Document dalabase:
regular topologic	A record in MongoDB is a document which
	15 data structure composed of field
Objective - Understand the concept of MoseL DB	value paje
- Understand the concept of Mongoll with	•
(xud operation	10 - 11
	name: "Sue"
	age: 26
SW packages:	name: "Sue" age: 26 Status: "A" group: ["news", "sports"]
Mongo DB	grant (rows , sports)
The state of the s	3
pre-requisite - Busic knowledge of HOVEL 15QL	
DIO-15 dails + how winds or transition	
	Mongo DB documents are similar to Json
Learning	
Outcomes Implement the commande. Implement the Database is Money D.B.	THERE OF THE GOLD MOND IS MALL
Implement the commander.	array of documents.
Implement the Database in Mongo DB.	



MongoDB B-2 Assignment Write-Ups Code and Screenshots:-





100	
	R-Rad -, we can reteixe from collection asing presented.
	roteine from Lone
	D-Rod -, we can lest
	2 merting
	R-Rad - we can term 2 method. 1. find 1) - return all document of 2. find one () - return first document of (ollection.
	1. find 1 return that
	2. tina vie Collection
	Colombia
	undate by wing tollowing.
	1) Uphate we can up
	Uphate we can uphate by using following method. 1. uphate ()
	11.60
-	1. uplate ()
	2. update - one 1)
	3. updak_many()
	4. Upo Replac-one ()
THE STATE OF	
	D. Doloke-we can dolote document by using following mothods:
	n holek - we can delete accomunity so
	following methods.
-	The state of the s
	t. Lotate ()
	2. delete_one ()
	3. Lorete_many()
	The Day of the
	A Company (1984)
	The a inclemental COM or paration
	Contigion. They we implemented (RVD) appropriation
	on MongalB Mo-Say databak
	The state of the s

Code:-

```
db.createCollection("books")
db.books.insert({title:"xyzb",user name:"harsh8",comments:"balbla",description:"monogo db is no
sql",by:"myfav",tags:["mongodb","mongus"],likes:1123})
db.books.insert({title:"xyzd",user_name:"harsh10",comments:"Write",description:"monogo db is no
sql",by:"javapoint",tags:["mongodb","mongus"],likes:3223})
db.books.insert({title:"xyze",user_name:"harsh11",comments:"Read",description:"monogo db is no
sql",by:"W3schools",tags:["mongodb","mongus"],likes:2312})
db.books.insert({title:"xyzb",user_name:"harsh8",comments:"balbla,description:"monogo db is no sql",by:"myfav",tags:["mongodb","mongus"],likes:1123})
db.books.find({$or:[{title:"xyzb"},{by:"W3schools"}]}).pretty()
db.books.find({$and:[{title:"xyze"},{by:"W3schools"}]}).pretty()
db.books.find({"likes":{$gt:2000}}).pretty()
db.books.update({title:'xyzc'},{$set:{title:'pqr'}}).pretty()
db.books.remove({title:'pqr'})
db.books.find({title:'xyza'}).pretty().limit(2)
```

```
db.books.find({user_name:'harsh5'}).pretty().limit(3).skip(1)
db.books.find({},{"likes":1}).sort({"likes":-1})
db.books.find({},{"likes":1}).sort({"likes":1})

db.books.save({title:'xyzSaved','user_name':'harsh545',comments:'terror5',description:'monogo is not sql database',by:'tutorial point',tags:['mongodb5','database5','NoSql'],likes:1005})
```

ScreenShots:-

1. Insert Five records in Books Collection and show result.

```
os.] Administrator: Command Prompt - "C:\Program Files\MongoDB\Server\4.4\bin\mongo.exe"
 db.books.find().pretty()
       " id" : ObjectId("5f9fa8653b55e5fd5c7dd9e4"),
       "title" : "xyzc",
       "user_name" : "harsh5",
"comments" : "terror5",
       "description" : "monogo is not sql database",
       "by" : "tutorial point",
       "tags" : [
                "mongodb5",
               "database5",
                "NoSql"
       "likes" : 1005
       " id" : ObjectId("5fa513da16388f482d96c4ce"),
       "title" : "xyza",
"user_name" : "harsh6",
       "comments" : "myCOmm",
       "description" : "monogo db is no sql",
       "by" : "gfg",
       "tags" : [
                "mongodb",
                "mongus"
       "likes" : 1005
       "_id" : ObjectId("5fa5142116388f482d96c4cf"),
       "title" : "xyzb",
       "user_name" : "harsh8",
       "comments" : "balbla",
       "description" : "monogo db is no sql",
       "by" : "myfav",
       "tags" : [
                "mongodb",
               "mongus"
       "likes" : 1123
       " id" : ObjectId("5fa5144016388f482d96c4d0"),
       "title" : "xyzd",
       "user_name" : "harsh10",
       "comments" : "Write",
       "description" : "monogo db is no sql",
       "by" : "javapoint",
       "tags" : [
                "mongodb",
```

```
"_id" : ObjectId("5fa5144016388f482d96c4d0"),
"title" : "xyzd",
"user_name" : "harsh10",
"comments" : "Write",
"description" : "monogo db is no sql",
"by" : "javapoint",
"tags" : [
        "mongodb",
        "mongus"
],
"likes" : 3223
"_id" : ObjectId("5fa5145e16388f482d96c4d1"),
"title" : "xyze",
"user_name" : "harsh11",
"comments" : "Read",
"description" : "monogo db is no sql",
"by" : "W3schools",
"tags" : [
        "mongodb",
        "mongus"
],
"likes" : 2312
```

2. Find the record whose title is "xyzb"

3. Find record whose title is xyzb or written by W3schools (OR operator)

```
Administrator: Command Prompt - "C:\Program Files\MongoDB\Server\4.4\bin\mongo.exe"
 db.books.find(($or:[{title:"xyzb"},{by:"W3schools"}]}).pretty()
       "_id" : ObjectId("5fa5142116388f482d96c4cf"),
       "title" : "xyzb",
       "user_name" : "harsh8",
       "comments" : "balbla",
       "description" : "monogo db is no sql",
        "by" : "myfav",
        "tags" : [
                "mongodb",
                "mongus"
       ],
"likes" : 1123
        "_id" : ObjectId("5fa5145e16388f482d96c4d1"),
       "title" : "xyze",
       "user_name" : "harsh11",
       "comments" : "Read",
       "description" : "monogo db is no sql",
       "by" : "W3schools",
        "tags" : [
                "mongodb",
                "mongus"
        "likes" : 2312
```

4. Find record whose title is xyze and written by W3schools (AND operator)

5. Display all the documents whose like is greater than 2000.

```
db.books.find({"likes":{$gt:2000}}).pretty()
     "_id" : ObjectId("5fa5144016388f482d96c4d0"),
     "title" : "xyzd",
     "user_name" : "harsh10",
     "comments" : "Write",
     "description" : "monogo db is no sql",
      "by" : "javapoint",
      "tags" : [
              "mongodb",
              "mongus"
     ],
"likes" : 3223
      "_id" : ObjectId("5fa5145e16388f482d96c4d1"),
     "title" : "xyze",
     "user_name" : "harsh11",
      "comments" : "Read",
      "description" : "monogo db is no sql",
      "by" : "W3schools",
     "tags" : [
              "mongodb",
              "mongus"
     ],
"likes" : 2312
```

6. Update the title

```
Administrator: Command Prompt - "C:\Program Files\MongoDB\Server\4.4\bin\mongo.exe"
db.books.update({title:'xyzc'},{$set:{title:'pqr'}})
WriteResult({ "nMatched" : 0, "nUpserted" : 0, "nModified" : 0 })
 db.books.find().pretty()
       " id" : ObjectId("5f9fa8653b55e5fd5c7dd9e4"),
       "title" : "pqr",
       "user_name" : "harsh5",
       "comments": "terror5",
       "description" : "monogo is not sql database",
       "by" : "tutorial point",
       "tags" : [
                "mongodb5",
                "database5",
                "NoSql"
       "likes" : 1005
       "_id" : ObjectId("5fa513da16388f482d96c4ce"),
       "title" : "xyza",
       "user_name" : "harsh6",
       "comments" : "myCOmm",
       "description": "monogo db is no sql",
       "by" : "gfg",
        "tags" : [
                "mongodb",
                "mongus"
       "likes" : 1005
       "_id" : ObjectId("5fa5142116388f482d96c4cf"),
       "title" : "xyzb",
       "user_name" : "harsh8",
       "comments" : "balbla",
       "description" : "monogo db is no sql",
       "by" : "myfav",
        "tags" : [
```

7. Delete the document titled

```
> db.books.remove({title:'pqr'})
WriteResult({ "nRemoved" : 1 })
```

8. Display exactly two documents written by 'harsh5'.

```
db.books.find({user_name:'harsh5'}).pretty()
      "_id" : ObjectId("5fa51c6e16388f482d96c4d2"),
      "title" : "xyzd",
      "user_name" : "harsh5",
      "comments": "terror5",
      "description" : "monogo is not sql database",
      "by" : "tutorial point",
      "tags" : [
              "mongodb5",
              "database5",
              "NoSal"
      "likes" : 1005
      " id" : ObjectId("5fa51c7616388f482d96c4d3"),
      "title" : "xyzx",
      "user_name" : "harsh5",
      "comments": "terror5",
      "description" : "monogo is not sql database",
      "by" : "tutorial point",
      "tags" : [
              "mongodb5",
             "database5",
              "NoSql"
      "likes" : 1005
      " id" : ObjectId("5fa51c9f16388f482d96c4d4"),
      "title" : "xyzo",
      "user_name" : "harsh5",
      "comments": "terror5",
      "description" : "monogo is not sql database",
      "by" : "tutorial point",
      "tags" : [
              "mongodb5",
              "database5",
              "NoSal"
      "likes" : 1005
```

```
db.books.find({user_name: 'harsh5'}).pretty().limit(2)
      "_id" : ObjectId("5fa51c6e16388f482d96c4d2"),
      "title" : "xyzd",
      "user_name" : "harsh5",
      "comments" : "terror5",
      "description" : "monogo is not sql database",
      "by" : "tutorial point",
      "tags" : [
              "mongodb5",
              "database5",
              "NoSql"
      ],
"likes" : 1005
      "_id" : ObjectId("5fa51c7616388f482d96c4d3"),
      "title" : "xyzx",
      "user_name" : "harsh5",
      "comments": "terror5",
      "description" : "monogo is not sql database",
      "by" : "tutorial point",
      "tags" : [
              "mongodb5",
              "database5",
              "NoSq1"
      "likes" : 1005
```

9. Display the second document published by harsh5'.

```
db.books.find({user_name:'harsh5'}).pretty()
      "_id" : ObjectId("5fa51c6e16388f482d96c4d2"),
      "title" : "xyzd",
      "user_name" : "harsh5",
      "comments": "terror5",
      "description" : "monogo is not sql database",
      "by" : "tutorial point",
      "tags" : [
              "mongodb5",
              "database5",
              "NoSal"
      "likes" : 1005
      " id" : ObjectId("5fa51c7616388f482d96c4d3"),
      "title" : "xyzx",
      "user_name" : "harsh5",
      "comments": "terror5",
      "description" : "monogo is not sql database",
      "by" : "tutorial point",
      "tags" : [
              "mongodb5",
             "database5",
              "NoSql"
      "likes" : 1005
      " id" : ObjectId("5fa51c9f16388f482d96c4d4"),
      "title" : "xyzo",
      "user_name" : "harsh5",
      "comments": "terror5",
      "description" : "monogo is not sql database",
      "by" : "tutorial point",
      "tags" : [
              "mongodb5",
              "database5",
              "NoSal"
      "likes" : 1005
```

```
db.books.find({user_name: 'harsh5'}).pretty().limit(3).skip(1)
      "_id" : ObjectId("5fa51c7616388f482d96c4d3"),
      "title" : "xyzx",
      "user_name" : "harsh5",
      "comments" : "terror5",
      "description" : "monogo is not sql database",
      "by" : "tutorial point",
      "tags" : [
              "mongodb5",
               "database5",
               "NoSq1"
      ],
"likes" : 1005
      "_id" : ObjectId("5fa51c9f16388f482d96c4d4"),
      "title" : "xyzo",
      "user_name" : "harsh5",
"comments" : "terror5",
      "description" : "monogo is not sql database",
      "by" : "tutorial point",
      "tags" : [
               "mongodb5",
               "database5",
               "NoSql"
      ],
"likes" : 1005
```

10. Display all the books in the sorted fashion.

```
db.books.find({},{"likes":1}).sort({"likes":-1})
"_id" : ObjectId("5fa5144016388f482d96c4d0"), "likes" : 3223 }
" id" : ObjectId("5fa5145e16388f482d96c4d1"), "likes" : 2312 }
"_id" : ObjectId("5fa5142116388f482d96c4cf"), "likes" : 1123 ]
" id" : ObjectId("5fa513da16388f482d96c4ce"), "likes" : 1005
"_id" : ObjectId("5fa51c6e16388f482d96c4d2"), "likes" : 1005
"_id" : ObjectId("5fa51c7616388f482d96c4d3"), "likes" : 1005 ]
" id" : ObjectId("5fa51c9f16388f482d96c4d4"), "likes" : 1005 }
db.books.find({},{"likes":1}).sort({"likes":1})
" id" : ObjectId("5fa513da16388f482d96c4ce"), "likes" : 1005
"_id" : ObjectId("5fa51c6e16388f482d96c4d2"), "likes" : 1005
" id" : ObjectId("5fa51c7616388f482d96c4d3"), "likes" : 1005
"_id" : ObjectId("5fa51c9f16388f482d96c4d4"), "likes" : 1005
 id" : ObjectId("5fa5142116388f482d96c4cf"), "likes" : 1123 }
"_id" : ObjectId("5fa5145e16388f482d96c4d1"), "likes" : 2312 ]
" id" : ObjectId("5fa5144016388f482d96c4d0"), "likes" : 3223 }
```

11. Insert a document using save method