BDA-LAB-EXAM

Name : Ravi Kumar

USN : 1BM17CS150

Mongo DB Output

File View Options Window Help

BDA_LAB (9)
- System
- Bank_DB
- College
- Company
- Database
- Faculty
- Product_D
- config

Welcome * db.Library.find({_id:3})

BDA_LAB   localhost:27017   LibDB

```
db.Library.find()

// Use PULL and POP
db.Library.find({_id:2})
db.Library.update({_id:2},{$pull:{sub:"PSQ"}})
db.Library.find({_id:2})
db.Library.find({_id:3})
db.Library.update({_id:3},{$pop:{sub:1}})
db.Library.find({_id:3})
db.Library.find({_id:1})
db.Library.update({_id:1},{$pop:{sub:-1}})
db.Library.find({_id:1})

//Use Index
db.Library.ensureIndex({"lname":1})
db.Library.getIndexes()
db.Library.find({lname:"Lib2"},{stu_count:1,lname:1,_id:1,sub:1}).hint({lname:1})
```

Library   0.001 sec.   0   50

Key	Value	Type
(1) 3.0	{ 4 fields }	Object
_id	3.0	Double
lname	Lib3	String
stu_count	500.0	Double
sub	[2 elements]	Array
[0]	MAD	String
[1]	SPMF	String

Logs

File View Options Window Help

BDA_LAB (9)
- System
- Bank_DB
- College
- Company
- Database
- Faculty
- Product_D
- config

Welcome * db.Library.find({_id:1})

BDA_LAB   localhost:27017   LibDB

```
db.Library.find()

// Use PULL and POP
db.Library.find({_id:2})
db.Library.update({_id:2},{$pull:{sub:"PSQ"}})
db.Library.find({_id:2})
db.Library.find({_id:3})
db.Library.update({_id:3},{$pop:{sub:1}})
db.Library.find({_id:3})
db.Library.find({_id:1})
db.Library.update({_id:1},{$pop:{sub:-1}})
db.Library.find({_id:1})

//Use Index
db.Library.ensureIndex({"lname":1})
db.Library.getIndexes()
db.Library.find({lname:"Lib2"},{stu_count:1,lname:1,_id:1,sub:1}).hint({lname:1})
```

Library   0.003 sec.   0   50

Key	Value	Type
(1) 1.0	{ 4 fields }	Object
_id	1.0	Double
lname	Lib1	String
stu_count	400.0	Double
sub	[1 element]	Array
[0]	science	String

Window 1 — Robo 3T - 1.4

Tabs: Welcome | * db.Library.getIndexes()

BDA_LAB | localhost:27017 | LibDB

```
db.Library.find({_id:3})
db.Library.update({_id:3},{$pop:{sub:1}})
db.Library.find({_id:3})
db.Library.find({_id:1})
db.Library.update({_id:1},{$pop:{sub:-1}})
db.Library.find({_id:1})

//Use Index
db.Library.ensureIndex({"lname":1})
db.Library.getIndexes()
db.Library.find({lname:"Lib2"},{stu_count:1,lname:1,_id:1,sub:1}).hint({lname:1})

//Use Cursor
var mcurr=db.Library.find({})
while(mcurr.hasNext())
{
    var curtemp=mcurr.next()
    print("Library Id: "+curtemp._id+" "+"Library Name :"+curtemp.lname+" "+"Student Count :"+curtemp.stu_count+" "+"Subjects :"+curte
```

0.001 sec.

Key	Value	Type
(1)	[2 elements]	Array
[0]	{ 4 fields }	Object
[1]	{ 4 fields }	Object
v	2	Int32
key	{ 1 field }	Object
name	lname_1	String
ns	LibDB.Library	String

Logs

Window 2 — Robo 3T - 1.4

Tabs: Welcome | * db.Library.find({lname:"Lib2"}...

BDA_LAB | localhost:27017 | LibDB

```
db.Library.find({_id:1})
db.Library.update({_id:1},{$pop:{sub:-1}})
db.Library.find({_id:1})

//Use Index
db.Library.ensureIndex({"lname":1})
db.Library.getIndexes()
db.Library.find({lname:"Lib2"},{stu_count:1,lname:1,_id:1,sub:1}).hint({lname:1})

//Use Cursor
var mcurr=db.Library.find({})
while(mcurr.hasNext())
{
    var curtemp=mcurr.next()
    print("Library Id: "+curtemp._id+" "+"Library Name :"+curtemp.lname+" "+"Student Count :"+curtemp.stu_count+" "+"Subjects :"+curte
}

//Updates
```

Library | 0.043 sec. | 0 | 50

Key	Value	Type
(1) 2.0	{ 4 fields }	Object
_id	2.0	Double
lname	Lib2	String
stu_count	300.0	Double
sub	[2 elements]	Array
[0]	BDA	String
[1]	DSR	String

Logs

File   View   Options   Window   Help

```
//Use Index
db.Library.ensureIndex({"lname":1})
db.Library.getIndexes()
db.Library.find({lname:"Lib2"},{stu_count:1,lname:1,_id:1,sub:1}).hint({lname:1})

//Use Cursor
var mcurr=db.Library.find({})
while(mcurr.hasNext())
{
    var curtemp=mcurr.next()
    print("Library Id: "+curtemp._id+" "+"Library Name :"+curtemp.lname+" "+"Student Count :"+curtemp.stu_count+" "+"Subjects :"+curte
}

//Updates
db.Library.find({_id:3})
db.Library.update({_id:3},{$set:{stu_count:900}})
db.Library.find({_id:3})
```

0.002 sec.

```
Library Id: 1 Library Name :Lib1 Student Count :400 Subjects :science

Library Id: 2 Library Name :Lib2 Student Count :300 Subjects :BDA,DSR

Library Id: 3 Library Name :Lib3 Student Count :500 Subjects :MAD,SPMF
```

File   View   Options   Window   Help

```
//Use Cursor
var mcurr=db.Library.find({})
while(mcurr.hasNext())
{
    var curtemp=mcurr.next()
    print("Library Id: "+curtemp._id+" "+"Library Name :"+curtemp.lname+" "+"Student Count :"+curtemp.stu_count+" "+"Subjects :"+curte
}

//Updates
db.Library.find({_id:3})
db.Library.update({_id:3},{$set:{stu_count:900}})
db.Library.find({_id:3})
db.Library.update({_id:2},{$set:{lname:"New Lib"}})
db.Library.find({_id:2})
db.Library.update({_id:4},{$set:{lname:"Lib4",stu_count:600,sub:["OOMD","TOC"]}},{upsert:true})
db.Library.find({})
db.Library.drop()
```

Library   0.001 sec.

Key	Value	Type
(1) 3.0	{ 4 fields }	Object
_id	3.0	Double
lname	Lib3	String
stu_count	900.0	Double
sub	[2 elements]	Array
[0]	MAD	String
[1]	SPMF	String

Logs

File   View   Options   Window   Help

BDA_LAB (9)
- System
- Bank_DB
- College
- Company
- Database
- Faculty
- Product_D
- config

Welcome   * db.Library.find({_id:2})

BDA_LAB   localhost:27017   LibDB

```
//Use Cursor
var mcurr=db.Library.find({})
while(mcurr.hasNext())
{
    var curtemp=mcurr.next()
    print("Library Id: "+curtemp._id+" "+"Library Name :"+curtemp.lname+" "+"Student Count :"+curtemp.stu_count+" "+"Subjects :"+curte
}

//Updates
db.Library.find({_id:3})
db.Library.update({_id:3},{$set:{stu_count:900}})
db.Library.find({_id:3})
db.Library.update({_id:2},{$set:{lname:"New Lib"}})
db.Library.find({_id:2})
db.Library.update({_id:4},{$set:{lname:"Lib4",stu_count:600,sub:["OOMD","TOC"]}},{upsert:true})
db.Library.find({})
db.Library.drop()
```

Library   0.001 sec.   0   50

Key	Value	Type
(1) 2.0	{ 4 fields }	Object
_id	2.0	Double
lname	New Lib	String
stu_count	300.0	Double
sub	[2 elements]	Array
[0]	BDA	String
[1]	DSR	String

Logs

File   View   Options   Window   Help

BDA_LAB (9)
- System
- Bank_DB
- College
- Company
- Database
- Faculty
- Product_D
- config

Welcome   * db.Library.find({})

BDA_LAB   localhost:27017   LibDB

```
//Use Cursor
var mcurr=db.Library.find({})
while(mcurr.hasNext())
{
    var curtemp=mcurr.next()
    print("Library Id: "+curtemp._id+" "+"Library Name :"+curtemp.lname+" "+"Student Count :"+curtemp.stu_count+" "+"Subjects :"+curte
}

//Updates
db.Library.find({_id:3})
db.Library.update({_id:3},{$set:{stu_count:900}})
db.Library.find({_id:3})
db.Library.update({_id:2},{$set:{lname:"New Lib"}})
db.Library.find({_id:2})
db.Library.update({_id:4},{$set:{lname:"Lib4",stu_count:600,sub:["OOMD","TOC"]}},{upsert:true})
db.Library.find({})
db.Library.drop()
```

Library   0.002 sec.   0   50

Key	Value	Type
(1) 1.0	{ 4 fields }	Object
(2) 2.0	{ 4 fields }	Object
(3) 3.0	{ 4 fields }	Object
(4) 4.0	{ 4 fields }	Object
_id	4.0	Double
lname	Lib4	String
stu_count	600.0	Double
sub	[2 elements]	Array
[0]	OOMD	String
[1]	TOC	String

Logs