

BDA-LAB-INTERNAL

Set-3

Name : Ravi Kumar

USN : IBM17CS150

Sem : VIIth - 'C'

Dept : Computer Science
& Engineering

Date : 28-12-20

Sub : BDA

Sign : CR

MongoDB : Library

use LibDB;

db.createCollection("Library")

show collections

① Inserting values

db.Library.insertMany([

{ _id:1, lname: "Lib1", stu-count: 400, sub: ["maths",
"science"] },

{ _id:2, lname: "Lib2", stu-count: 300, sub: ["BDA",
"DSR", "PSQ"] },

{ _id:3, lname: "Lib3", stu-count: 500, sub: ["MAD",
"SPMF", "BDA"] }];

db.Library.find();

①

Name: Ravi Kumar

USN: 1BM17CS150

Sign: (Ravi Kumar)

② Ans Use Pull and Pop

```
db.library.update({-id:23},{ $pull: {sub:"P&A"}});  
db.library.find({-id:23});
```

```
db.library.update({-id:33},{ $pop: {sub:1}});  
db.library.update({-id:13},{ $pop: {sub:-13}});  
db.library.find({-id:33});  
db.library.find({-id:13});
```

③ Ans Use Index

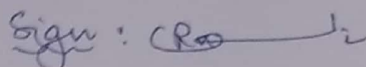
```
db.library.ensureIndex({ "lname":1 })  
db.library.stats()  
db.library.getIndexes()  
db.library.find({ lname:"lib2", { stu-count:1, lname:1,  
-id:1, sub:13 }).hint({ lname:13})
```

④ Ans Use Cursors

```
var mcursor = db.library.find();  
while (mcursor.hasNext())  
{  
    var curtemp = mcursor.next()  
    print("Lib id:" "Lib id:" + curtemp._id + " " + "Lib Name:" +  
        curtemp.lname + " " + "Student Count:" + curtemp.  
        stu-count + " " + "Subjects:" + curtemp.sub + " " + "\n");  
}
```

Name : Ravi Kumar

USN : 18MI7CS150

Sign : 

⑤ Use Update

```
db.library.update({-id:3}, {$set: {sta-count: 900}});
```

```
db.library.update find({-id:3});
```

```
db.library.update({-id:2}, {$set: {lname: "New Lib"}});
```

```
db.library.find({-id:2});
```