

Aruna Ravi K R

1BM19CS225

BDA LAB 2

```
bmscecse@bmscecse-HP-Pro-3330-MT: ~  
bmscecse@bmscecse-HP-Pro-3330-MT:~$ sudo mongoexport --host localhost --db 1bm19cs073_kiranmk --collection Student --type=csv --out /home/bmsce/Desktop/output.txt --fields "_id","Name","USN","Sem","Dept","CGPA","Hobbies"  
2022-04-18T15:13:05.991+0530 connected to: mongod://localhost/  
2022-04-18T15:13:05.996+0530 exported 6 records  
bmscecse@bmscecse-HP-Pro-3330-MT:~$ ls  
024 Desktop Documents Downloads Music Pictures Public Templates Videos  
bmscecse@bmscecse-HP-Pro-3330-MT:~$ cd Desktop  
bmscecse@bmscecse-HP-Pro-3330-MT:~/Desktop$ ls  
bmscecse@bmscecse-HP-Pro-3330-MT:~/Desktop$ mongoexport --host localhost --db 1bm19cs073_kiranmk --collection Student --csv --out /home/bmsce/Desktop/output.txt --fields "_id","Name","USN","Sem","Dept","CGPA","Hobbies"  
2022-04-18T15:14:16.323+0530 csv flag is deprecated; please use --type=csv instead  
2022-04-18T15:14:16.325+0530 connected to: mongod://localhost/  
2022-04-18T15:14:16.325+0530 error opening output stream: mkdir /home/bmsce/Desktop: permission denied  
bmscecse@bmscecse-HP-Pro-3330-MT:~/Desktop$ sudo mongoexport --host localhost --db 1bm19cs073_kiranmk --collection Student --csv --out /home/bmsce/Desktop/output.txt --fields "_id","Name","USN","Sem","Dept","CGPA","Hobbies"  
2022-04-18T15:14:22.162+0530 csv flag is deprecated; please use --type=csv instead  
2022-04-18T15:14:22.164+0530 connected to: mongod://localhost/  
2022-04-18T15:14:22.169+0530 exported 6 records  
bmscecse@bmscecse-HP-Pro-3330-MT:~/Desktop$ pwd  
/home/bmscecse/Desktop  
bmscecse@bmscecse-HP-Pro-3330-MT:~/Desktop$ sudo mongoexport --host localhost --db 1bm19cs073_kiranmk --collection Student --type=csv --out /home/bmscecse/Desktop/output.txt --fields "_id","Name","USN","Sem","Dept","CGPA","Hobbies"  
2022-04-18T15:15:10.012+0530 connected to: mongod://localhost/  
2022-04-18T15:15:10.017+0530 exported 6 records  
bmscecse@bmscecse-HP-Pro-3330-MT:~/Desktop$ cd ..  
bmscecse@bmscecse-HP-Pro-3330-MT:~$ ls  
024 Desktop Documents Downloads Music Pictures Public Templates Videos  
bmscecse@bmscecse-HP-Pro-3330-MT:~$ cd ..  
bmscecse@bmscecse-HP-Pro-3330-MT:/home$ ls  
bmsce bmscecse lost+found  
bmscecse@bmscecse-HP-Pro-3330-MT:/home$ cd bmsce  
bash: cd: bmsce: Permission denied  
bmscecse@bmscecse-HP-Pro-3330-MT:/home$ sudo cd bmsce  
sudo: cd: command not found  
bmscecse@bmscecse-HP-Pro-3330-MT:/home$ login bmsce  
login: Cannot possibly work without effective root  
bmscecse@bmscecse-HP-Pro-3330-MT:/home$ cd bmscecse  
bmscecse@bmscecse-HP-Pro-3330-MT:~$
```

```
bmscscse@bmscscse-HP-Pro-3330-MT: ~  
improvements and to suggest MongoDB products and deployment options to you.  
  
To enable free monitoring, run the following command: db.enableFreeMonitoring()  
To permanently disable this reminder, run the following command: db.disableFreeMonitoring()  
...  
> use 1bm19cs073_kiranmk;  
Switched to db 1bm19cs073_kiranmk  
> db.createCollection("Student");  
{ "ok" : 1 }  
> db.Student.insert({_id:1, Name:"Kodandaraman C V", USN:"1BM19CS078", Sem: 6, Dept: "CSE", CGPA: 9.4, Hobbies:"Politics"});  
WriteResult({ "nInserted" : 1 })  
> db.Student.insert({_id:2, Name:"Shrinivas Shastry P", USN:"1BM19CS077", Sem: 6, Dept: "CSE", CGPA: 8.3, Hobbies:"YouTuber"});  
WriteResult({ "nInserted" : 1 })  
> db.Student.insert({_id:3, Name:"H N Subramanyam", USN:"1BM19IS025", Sem: 6, Dept: "ISE", CGPA: 9.6, Hobbies:"History of India"});  
WriteResult({ "nInserted" : 1 })  
> db.Student.insert({_id:4, Name:"J Ashwani Kumar", USN:"1BM19IS050", Sem: 6, Dept: "ISE", CGPA: 9.8, Hobbies:"Quantum Physics"});  
WriteResult({ "nInserted" : 1 })  
> db.Student.insert({_id:5, Name:"Sonar H Maruti", USN:"1BM19CS075", Sem: 6, Dept: "CSE", CGPA: 9.2, Hobbies:"Organic Chemistry"});  
WriteResult({ "nInserted" : 1 })  
> db.Student.insert({_id:5, Name:"H K Venkatesh Bhat", USN:"1BM20CS081", Sem: 4, Dept: "CSE", CGPA: 9.8, Hobbies:"Multivariable Vector Calculu  
s"});  
WriteResult({  
  "nInserted" : 0,  
  "writeError" : {  
    "code" : 11000,  
    "errmsg" : "E11000 duplicate key error collection: 1bm19cs073_kiranmk.Student index: _id_ dup key: { _id: 5.0 }"  
  }  
})  
> db.Student.insert({_id:6, Name:"H K Venkatesh Bhat", USN:"1BM20CS081", Sem: 4, Dept: "CSE", CGPA: 9.8, Hobbies:"Multivariable Vector Calculu  
s"});  
WriteResult({ "nInserted" : 1 })  
> db.Customers.aggregate ( {$match:{AcctType:"S"}},{$group : { _id : "$custID",TotAccBal : {$sum:"$AccBal"} } }, {$match:{TotAccBal:{$gt:1200}  
}});  
uncaught exception: SyntaxError: illegal character :  
@(shell):1:43  
> db.Student.aggregate({$match:{Dept:"CSE"}}, {$group:{Sem:[4,6], AvgCGPA:{$avg:"$CGPA"}}, {$match:{AvgCGPA:{$gt:7.5}}});  
uncaught exception: Error: command failed: {  
  "ok" : 0,  
  "errmsg" : "The field $sem must be an aggregation object"
```

```
bmscscse@bmscscse-HP-Pro-3330-MT: ~  
Improvements and to suggest MongoDB products and deployment options to you.  
  
To enable free monitoring, run the following command: db.enableFreeMonitoring()  
To permanently disable this reminder, run the following command: db.disableFreeMonitoring()  
---  
> use 1bm19cs073 kiranmk;  
switched to db 1bm19cs073_kiranmk  
> db.createCollection("Student");  
{ "ok" : 1 }  
> db.Student.insert({_id:1, Name:"Kodandaraman C V", USN:"1BM19CS078", Sem: 6, Dept: "CSE", CGPA: 9.4, Hobbies:"Politics"});  
WriteResult({ "nInserted" : 1 })  
> db.Student.insert({_id:2, Name:"Shrinivas Shastry P", USN:"1BM19CS077", Sem: 6, Dept: "CSE", CGPA: 8.3, Hobbies:"YouTuber"});  
WriteResult({ "nInserted" : 1 })  
> db.Student.insert({_id:3, Name:"H N Subramanyam", USN:"1BM19IS025", Sem: 6, Dept: "ISE", CGPA: 9.6, Hobbies:"History of India"});  
WriteResult({ "nInserted" : 1 })  
> db.Student.insert({_id:4, Name:"J Ashwani Kumar", USN:"1BM19IS050", Sem: 6, Dept: "ISE", CGPA: 9.8, Hobbies:"Quantum Physics"});  
WriteResult({ "nInserted" : 1 })  
> db.Student.insert({_id:5, Name:"Sonar H Maruti", USN:"1BM19CS075", Sem: 6, Dept: "CSE", CGPA: 9.2, Hobbies:"Organic Chemistry"});  
WriteResult({ "nInserted" : 1 })  
> db.Student.insert({_id:5, Name:"H K Venkatesh Bhat", USN:"1BM20CS081", Sem: 4, Dept: "CSE", CGPA: 9.8, Hobbies:"Multivariable Vector Calculu  
s"});  
WriteResult({  
  "nInserted" : 0,  
  "writeError" : {  
    "code" : 11000,  
    "errmsg" : "E11000 duplicate key error collection: 1bm19cs073_kiranmk.Student index: _id_ dup key: { _id: 5.0 }"  
  }  
})  
> db.Student.insert({_id:6, Name:"H K Venkatesh Bhat", USN:"1BM20CS081", Sem: 4, Dept: "CSE", CGPA: 9.8, Hobbies:"Multivariable Vector Calculu  
s"});  
WriteResult({ "nInserted" : 1 })  
> db.Customers.aggregate ( { $match:{AcctType:"S"}},{ $group : { _id : "$custID",TotAccBal : { $sum:"$AccBal" } } }, { $match:{TotAccBal:{ $gt:1200  
}}});  
uncaught exception: SyntaxError: illegal character :  
@(shell):1:43  
> db.Student.aggregate({ $match:{Dept:"CSE"}}, { $group:{Sem:[4,6], AvgCGPA:{ $avg:"$CGPA"}}, { $match:{AvgCGPA:{ $gt:7.5}}});  
uncaught exception: Error: command failed: {  
  "ok" : 0,  
  "errmsg" : "The field '_id' must be an accumulates object"
```



```

kiran@kiran-H310M-H-2-0: ~
> db.createCollection("Bank");
{ "ok" : 1 }
> db.insert({CustID:1, Name:"Trivikram Hegde", Type:"Savings", Contact:["9945678231", "080-22364587"]});
uncaught exception: TypeError: db.insert is not a function :
@(shell):1:1
> db.Bank.insert({CustID:1, Name:"Trivikram Hegde", Type:"Savings", Contact:["9945678231", "080-22364587"]});
WriteResult({ "nInserted" : 1 })
> db.Bank.insert({CustID:2, Name:"Vishvesh Bhat", Type:"Savings", Contact:["6325985615", "080-23651452"]});
WriteResult({ "nInserted" : 1 })
> db.Bank.insert({CustID:3, Name:"Vaishak Bhat", Type:"Savings", Contact:["8971456321", "080-33529458"]});
WriteResult({ "nInserted" : 1 })
> db.Bank.insert({CustID:4, Name:"Pramod P Parande", Type:"Current", Contact:["9745236589", "080-56324587"]});
WriteResult({ "nInserted" : 1 })
> db.Bank.insert({CustID:4, Name:"Shreyas R S", Type:"Current", Contact:["9445678321", "044-65611729", "080-25639856"]});
WriteResult({ "nInserted" : 1 })
> db.Bank.find();
{ "_id" : ObjectId("625d77809329139694f188a2"), "CustID" : 1, "Name" : "Trivikram Hegde", "Type" : "Savings", "Contact" : [ "9945678231", "080-22364587" ] }
{ "_id" : ObjectId("625d77bd9329139694f188a3"), "CustID" : 2, "Name" : "Vishvesh Bhat", "Type" : "Savings", "Contact" : [ "6325985615", "080-23651452" ] }
{ "_id" : ObjectId("625d77e69329139694f188a4"), "CustID" : 3, "Name" : "Vaishak Bhat", "Type" : "Savings", "Contact" : [ "8971456321", "080-33529458" ] }
{ "_id" : ObjectId("625d78229329139694f188a5"), "CustID" : 4, "Name" : "Pramod P Parande", "Type" : "Current", "Contact" : [ "9745236589", "080-56324587" ] }
{ "_id" : ObjectId("625d78659329139694f188a6"), "CustID" : 4, "Name" : "Shreyas R S", "Type" : "Current", "Contact" : [ "9445678321", "044-65611729", "080-25639856" ] }
> db.Bank.updateMany({CustID:1},{ $pull:{Contact:1} });
{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }
> db.Bank.find();
{ "_id" : ObjectId("625d77809329139694f188a2"), "CustID" : 1, "Name" : "Trivikram Hegde", "Type" : "Savings", "Contact" : [ "9945678231" ] }
{ "_id" : ObjectId("625d77bd9329139694f188a3"), "CustID" : 2, "Name" : "Vishvesh Bhat", "Type" : "Savings", "Contact" : [ "6325985615", "080-23651452" ] }
{ "_id" : ObjectId("625d77e69329139694f188a4"), "CustID" : 3, "Name" : "Vaishak Bhat", "Type" : "Savings", "Contact" : [ "8971456321", "080-33529458" ] }
{ "_id" : ObjectId("625d78229329139694f188a5"), "CustID" : 4, "Name" : "Pramod P Parande", "Type" : "Current", "Contact" : [ "9745236589", "080-56324587" ] }
{ "_id" : ObjectId("625d78659329139694f188a6"), "CustID" : 4, "Name" : "Shreyas R S", "Type" : "Current", "Contact" : [ "9445678321", "044-65611729", "080-25639856" ] }

```

```

kiran@kiran-H310M-H-2-0: ~
{ "_id" : ObjectId("625d78659329139694f188a6"), "CustID" : 4, "Name" : "Shreyas R S", "Type" : "Current", "Contact" : [ "9445678321", "044-65611729", "080-25639856" ] }
> db.Bank.updateMany({}, { $pull:{Contact:"080-25639856"} });
{ "acknowledged" : true, "matchedCount" : 5, "modifiedCount" : 1 }
> db.Bank.find();
{ "_id" : ObjectId("625d77809329139694f188a2"), "CustID" : 1, "Name" : "Trivikram Hegde", "Type" : "Savings", "Contact" : [ "9945678231" ] }
{ "_id" : ObjectId("625d77bd9329139694f188a3"), "CustID" : 2, "Name" : "Vishvesh Bhat", "Type" : "Savings", "Contact" : [ "6325985615", "080-23651452" ] }
{ "_id" : ObjectId("625d77e69329139694f188a4"), "CustID" : 3, "Name" : "Vaishak Bhat", "Type" : "Savings", "Contact" : [ "8971456321", "080-33529458" ] }
{ "_id" : ObjectId("625d78229329139694f188a5"), "CustID" : 4, "Name" : "Pramod P Parande", "Type" : "Current", "Contact" : [ "9745236589", "080-56324587" ] }
{ "_id" : ObjectId("625d78659329139694f188a6"), "CustID" : 4, "Name" : "Shreyas R S", "Type" : "Current", "Contact" : [ "9445678321", "044-65611729" ] }
> db.Bank.createIndex({Name:1, Type:1},{name:});
uncaught exception: SyntaxError: expected expression, got ';' :
@(shell):1:43
> db.Bank.createIndex({Name:1, Type:1},{name:"Find current account holders"});
{
  "createdCollectionAutomatically" : false,
  "numIndexesBefore" : 1,
  "numIndexesAfter" : 2,
  "ok" : 1
}
> db.Bank.find();
{ "_id" : ObjectId("625d77809329139694f188a2"), "CustID" : 1, "Name" : "Trivikram Hegde", "Type" : "Savings", "Contact" : [ "9945678231" ] }
{ "_id" : ObjectId("625d77bd9329139694f188a3"), "CustID" : 2, "Name" : "Vishvesh Bhat", "Type" : "Savings", "Contact" : [ "6325985615", "080-23651452" ] }
{ "_id" : ObjectId("625d77e69329139694f188a4"), "CustID" : 3, "Name" : "Vaishak Bhat", "Type" : "Savings", "Contact" : [ "8971456321", "080-33529458" ] }
{ "_id" : ObjectId("625d78229329139694f188a5"), "CustID" : 4, "Name" : "Pramod P Parande", "Type" : "Current", "Contact" : [ "9745236589", "080-56324587" ] }
{ "_id" : ObjectId("625d78659329139694f188a6"), "CustID" : 4, "Name" : "Shreyas R S", "Type" : "Current", "Contact" : [ "9445678321", "044-65611729" ] }
> db.Bank.getIndexes()
[
  {
    "v" : 2,
    "name" : "Find current account holders",
    "key" : {
      "Name" : 1,
      "Type" : 1
    },
    "partialFilterExpression" : {},
    "sparse" : false,
    "unique" : false,
    "background" : true,
    "dropDups" : false,
    "dropDuplicates" : false,
    "expireAfterSeconds" : 0
  },
  {
    "v" : 1,
    "name" : "_id_",
    "key" : {
      "_id" : 1
    },
    "partialFilterExpression" : {},
    "sparse" : false,
    "unique" : true,
    "background" : true,
    "dropDups" : true,
    "dropDuplicates" : false,
    "expireAfterSeconds" : 0
  }
]

```

```
kiran@kiran-H310M-H-2-0: ~  
@(shell):1:20  
> db.Bank.update({_id:625d78659329139694f188a6}, {$set: {CustID:5}}, {upsert:true});  
uncaught exception: SyntaxError: identifier starts immediately after numeric literal :  
@(shell):1:20  
> db.Bank.update({_id:"625d78659329139694f188a6"}, {$set: {CustID:5}}, {upsert:true});  
WriteResult({  
  "nMatched" : 0,  
  "nUpserted" : 1,  
  "nModified" : 0,  
  "_id" : "625d78659329139694f188a6"  
})  
> db.Bank.find({});  
{ "_id" : ObjectId("625d77809329139694f188a2"), "CustID" : 1, "Name" : "Trivikram Hegde", "Type" : "Savings", "Contact" : [ "9945678231" ] }  
{ "_id" : ObjectId("625d77bd9329139694f188a3"), "CustID" : 2, "Name" : "Vishvesh Bhat", "Type" : "Savings", "Contact" : [ "6325985615", "080-23651452" ] }  
{ "_id" : ObjectId("625d77e69329139694f188a4"), "CustID" : 3, "Name" : "Vaishak Bhat", "Type" : "Savings", "Contact" : [ "8971456321", "080-33529458" ] }  
{ "_id" : ObjectId("625d78229329139694f188a5"), "CustID" : 4, "Name" : "Pranod P Parande", "Type" : "Current", "Contact" : [ "9745236589", "080-56324587" ] }  
{ "_id" : ObjectId("625d78659329139694f188a6"), "CustID" : 4, "Name" : "Shreyas R S", "Type" : "Current", "Contact" : [ "9445678321", "044-65611729" ] }  
{ "_id" : "625d78659329139694f188a6", "CustID" : 5 }  
> db.Bank.update({_id:"625d78659329139694f188a6", CustID:5}, {$set: {Name:"Sumantha K S", Type:"Savings", Contact:["9856321478","011-65897458"]}}, {upsert:true});  
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })  
> db.Bank.find({});  
{ "_id" : ObjectId("625d77809329139694f188a2"), "CustID" : 1, "Name" : "Trivikram Hegde", "Type" : "Savings", "Contact" : [ "9945678231" ] }  
{ "_id" : ObjectId("625d77bd9329139694f188a3"), "CustID" : 2, "Name" : "Vishvesh Bhat", "Type" : "Savings", "Contact" : [ "6325985615", "080-23651452" ] }  
{ "_id" : ObjectId("625d77e69329139694f188a4"), "CustID" : 3, "Name" : "Vaishak Bhat", "Type" : "Savings", "Contact" : [ "8971456321", "080-33529458" ] }  
{ "_id" : ObjectId("625d78229329139694f188a5"), "CustID" : 4, "Name" : "Pranod P Parande", "Type" : "Current", "Contact" : [ "9745236589", "080-56324587" ] }  
{ "_id" : ObjectId("625d78659329139694f188a6"), "CustID" : 4, "Name" : "Shreyas R S", "Type" : "Current", "Contact" : [ "9445678321", "044-65611729" ] }  
{ "_id" : "625d78659329139694f188a6", "CustID" : 5, "Contact" : [ "9856321478", "011-65897458" ], "Name" : "Sumantha K S", "Type" : "Savings"  
}  
>
```



```

kiran@kiran-H310M-H-2-0: ~
}
> db.createCollection("faculty");
{ "ok" : 1 }
> db.faculty.insert({_id:1,name:"Dr. Balaraman Ravindran",designation:"Professor",department:"CSE",age:45,salary:100000,specialization:['python','mysql','sklearn','tensorflow']});
WriteResult({ "nInserted" : 1 })
> db.faculty.insert({_id:2,name:"Dr. Mahadev Ghorki",designation:"Assistant Professor",department:"CSE",age:35,salary:80000,specialization:['python','numpy','sklearn','tensorflow','java']});
WriteResult({ "nInserted" : 1 })
> db.faculty.insert({_id:3,name:"Dr. Praveen Borade",designation:"Associate Professor",department:"ME",age:40,salary:75000,specialization:['autocad','aerodynamics','thermal physics']});
WriteResult({ "nInserted" : 1 })
> db.faculty.insert({_id:4,name:"Dr. Madhav Nayak",designation:"Assistant Professor",department:"ME",age:37,salary:95000,specialization:['autocad','flight-dynamics','Finite Element Analysis']});
WriteResult({ "nInserted" : 1 })
> db.faculty.aggregate ( {$match:{department:"ME"}}, {$group : {_id : "$designation", AverageSal : {$avg: "$salary"} } }, {$match:{AverageSal:{$gt:50000}}});
{ "_id" : "Associate Professor", "AverageSal" : 75000 }
{ "_id" : "Assistant Professor", "AverageSal" : 95000 }
> db.createCollection("product");
{ "ok" : 1 }
> db.product.insert({pid:1,pname:"keyboard",mdate:2001,price:1800,quantity:2});
WriteResult({ "nInserted" : 1 })
> db.product.insert({pid:2,pname:"mouse",mdate:2005,price:1500,quantity:5});
WriteResult({ "nInserted" : 1 })
> db.product.insert({pid:3,pname:"monitor",mdate:2015,price:10000,quantity:9});
WriteResult({ "nInserted" : 1 })
> db.product.insert({pid:4,pname:"motherboard",mdate:2021,price:15000,quantity:4});
WriteResult({ "nInserted" : 1 })
> db.product.find({}, {pname:1,_id:0})
{ "pname" : "keyboard" }
{ "pname" : "mouse" }
{ "pname" : "monitor" }
{ "pname" : "motherboard" }
> db.product.find({pid:1},{pid:1,_id:0,mdate:1,quantity:1});
{ "pid" : 1, "mdate" : 2001, "quantity" : 2 }
> db.product.find({price:{$ne:15000}},{pname:1,_id:0});
{ "pname" : "keyboard" }

```

```

kiran@kiran-H310M-H-2-0: ~
{ "pname" : "motherboard" }
> db.product.find({pid:1},{pid:1,_id:0,mdate:1,quantity:1});
{ "pid" : 1, "mdate" : 2001, "quantity" : 2 }
> db.product.find({price:{$ne:15000}},{pname:1,_id:0});
{ "pname" : "keyboard" }
{ "pname" : "mouse" }
{ "pname" : "monitor" }
> db.product.find({$and:[{quantity:{$gt:9}},{pname:{$eq:"monitor"}}]},{pname:1,_id:0})
{ "pname" : "monitor" }
> db.product.find({pname:/d$/},{pname:1,quantity:1,_id:0})
{ "pname" : "keyboard", "quantity" : 2 }
{ "pname" : "motherboard", "quantity" : 4 }
> db.createCollection("hospital");
{ "ok" : 1 }
> db.hospital.insert({_id:1, Name: "Anshuman Agarwal", age:23, diseases:["fever", "diarrhoea", "wheezing", "gastritis"]});
WriteResult({ "nInserted" : 1 })
> db.hospital.insert({_id:2, Name: "Pinky Chaubey", age:35, diseases:["fever","nausea", "food infection", "indigestion", "kidney stones"]});
WriteResult({ "nInserted" : 1 })
> db.hospital.insert({_id:3, Name: "Amresh Chowpati", age:63, diseases:["hyperglycemia", "diabetes mellitus", "food poisoning", "cold"]});
WriteResult({ "nInserted" : 1 })
> db.hospital.updateMany({},{$pull:{diseases:"fever"}});
{ "acknowledged" : true, "matchedCount" : 3, "modifiedCount" : 2 }
> db.hospital.updateOne({_id:1},{ $pop:{diseases:-1}});
{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }
> db.hospital.find({"diseases.2":"nausea"});
> db.hospital.find({"diseases.1":"nausea"});
> d.hospital.find();
uncaught exception: ReferenceError: d is not defined :
@(shell):1:1
> db.hospital.find();
{ "_id" : 1, "Name" : "Anshuman Agarwal", "age" : 23, "diseases" : [ "wheezing", "gastritis" ] }
{ "_id" : 2, "Name" : "Pinky Chaubey", "age" : 35, "diseases" : [ "nausea", "food infection", "indigestion", "kidney stones" ] }
{ "_id" : 3, "Name" : "Amresh Chowpati", "age" : 63, "diseases" : [ "hyperglycemia", "diabetes mellitus", "food poisoning", "cold" ] }
> db.hospital.find({"diseases.0":"nausea"});
{ "_id" : 2, "Name" : "Pinky Chaubey", "age" : 35, "diseases" : [ "nausea", "food infection", "indigestion", "kidney stones" ] }
> db.hospital.update({_id:3},{ $set:{'diseases.1':'sarscov'}});
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
>

```