MONGODB PRACTICE SESSION

1. Find Method

MONGODB NOTEPAD

db.Students.insert({"\_id":1, "UCID":2018450001, "RollNo":01, "Name":"Nishita","Email":"nishita.aishwarya@spit.ac.in","Address":"Patna","Age":23}) db.Students.insert({"\_id":2, "UCID":2018450002, "RollNo":02, "Name":"Hammad","Email":"hammad.ansari@spit.ac.in","Address":"Mumbai","Age":21}) db.Students.insert({"\_id":3, "UCID":2018450003, "RollNo":03, "Name":"Maulika","Email":"maulika.arekar@spit.ac.in","Address":"Gujarat","Age":22}) db.Students.insert({"\_id":4, "UCID":2018450004, "RollNo":04, "Name":"Diksha","Email":"diksha.bandagale@spit.ac.in","Address":"Mumbai","Age":22}) db.Students.insert({"\_id":5, "UCID":2018450005, "RollNo":05, "Name":"Riya","Email":"riya.barve@spit.ac.in","Address":"Mumbai","Age":21})

db.Students.update({"Name":"Hammad"},{$set:{"DOB":new Date("1998-04-17")}})

db.Students.update({"Name":"Nishita"},{$set:{"DOB":new Date("09/21/1995")}})

db.Students.update({"Name":"Maulika"},{$set:{"DOB":new Date("07/29/1997")}})

db.Students.update({"Name":"Diksha"},{$set:{"DOB":new Date("11/04/1997")}})

db.Students.update({"Name":"Riya"},{$set:{"DOB":new Date("04/13/1998")}})

db.Students.update({"Name":"Hammad"},{$set:{"Hobbies":["Gym","Code","Soccer"]}})

db.Students.update({"Name":"Maulika"},{$set:{"Hobbies":["Gym","Movies","Foodie"]}})

db.Students.update({"Name":"Nishita"},{$set:{"Hobbies":["Reading","Dancing"]}})

Windows PowerShell

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PS C:\Users\mca\_dept> mongo

MongoDB shell version v4.2.0

connecting to: mongodb://127.0.0.1:27017/?compressors=disabled&gssapiServiceName=mongodb

Implicit session: session { "id" : UUID("dfb100bd-df7e-4c9a-a3a2-6e4678220f4e") }

MongoDB server version: 4.2.0

Server has startup warnings:

2019-10-03T14:03:05.080+0530 I CONTROL [initandlisten]

2019-10-03T14:03:05.080+0530 I CONTROL [initandlisten] \*\* WARNING: Access control is not enabled for the database.

2019-10-03T14:03:05.081+0530 I CONTROL [initandlisten] \*\* Read and write access to data and configuration is

unrestricted.

2019-10-03T14:03:05.081+0530 I CONTROL [initandlisten]

2019-10-03T14:03:05.081+0530 I CONTROL [initandlisten] \*\* WARNING: This server is bound to localhost.

2019-10-03T14:03:05.081+0530 I CONTROL [initandlisten] \*\* Remote systems will be unable to connect to this se

rver.

2019-10-03T14:03:05.081+0530 I CONTROL [initandlisten] \*\* Start the server with --bind\_ip <address> to specif

y which IP

2019-10-03T14:03:05.081+0530 I CONTROL [initandlisten] \*\* addresses it should serve responses from, or with -

-bind\_ip\_all to

2019-10-03T14:03:05.082+0530 I CONTROL [initandlisten] \*\* bind to all interfaces. If this behavior is desired

, start the

2019-10-03T14:03:05.082+0530 I CONTROL [initandlisten] \*\* server with --bind\_ip 127.0.0.1 to disable this war

ning.

2019-10-03T14:03:05.099+0530 I CONTROL [initandlisten]

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Enable MongoDB's free cloud-based monitoring service, which will then receive and display

metrics about your deployment (disk utilization, CPU, operation statistics, etc).

The monitoring data will be available on a MongoDB website with a unique URL accessible to you

and anyone you share the URL with. MongoDB may use this information to make product

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()

---

> show databases

SPIT 0.000GB

admin 0.000GB

config 0.000GB

local 0.000GB

> use SPIT

switched to db SPIT

> show collections

Students

> db.students.find().pretty()

> db.Students.find().pretty()

{

"\_id" : 1,

"UCID" : 2018450001,

"RollNo" : 1,

"Name" : "Nishita",

"Email" : "nishita.aishwarya@spit.ac.in",

"Address" : "Patna",

"Age" : 23

}

{

"\_id" : 2,

"UCID" : 2018450002,

"RollNo" : 2,

"Name" : "Hammad",

"Email" : "hammad.ansari@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21

}

{

"\_id" : 3,

"UCID" : 2018450003,

"RollNo" : 3,

"Name" : "Maulika",

"Email" : "maulika.arekar@spit.ac.in",

"Address" : "Gujarat",

"Age" : 22

}

{

"\_id" : 4,

"UCID" : 2018450004,

"RollNo" : 4,

"Name" : "Diksha",

"Email" : "diksha.bandagale@spit.ac.in",

"Address" : "Mumbai",

"Age" : 22

}

{

"\_id" : 5,

"UCID" : 2018450005,

"RollNo" : 5,

"Name" : "Riya",

"Email" : "riya.barve@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21

}

> db.Students.find({},{"Address":1,"Email":1}).pretty()

{ "\_id" : 1, "Email" : "nishita.aishwarya@spit.ac.in", "Address" : "Patna" }

{ "\_id" : 2, "Email" : "hammad.ansari@spit.ac.in", "Address" : "Mumbai" }

{ "\_id" : 3, "Email" : "maulika.arekar@spit.ac.in", "Address" : "Gujarat" }

{ "\_id" : 4, "Email" : "diksha.bandagale@spit.ac.in", "Address" : "Mumbai" }

{ "\_id" : 5, "Email" : "riya.barve@spit.ac.in", "Address" : "Mumbai" }

> db.Students.find({},{"Address":1,"Email":1,"\_id":0}).pretty()

{ "Email" : "nishita.aishwarya@spit.ac.in", "Address" : "Patna" }

{ "Email" : "hammad.ansari@spit.ac.in", "Address" : "Mumbai" }

{ "Email" : "maulika.arekar@spit.ac.in", "Address" : "Gujarat" }

{ "Email" : "diksha.bandagale@spit.ac.in", "Address" : "Mumbai" }

{ "Email" : "riya.barve@spit.ac.in", "Address" : "Mumbai" }

> db.Students.find({"Age":{"$gte":20,"$lte":22}}).pretty()

{

"\_id" : 2,

"UCID" : 2018450002,

"RollNo" : 2,

"Name" : "Hammad",

"Email" : "hammad.ansari@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21

}

{

"\_id" : 3,

"UCID" : 2018450003,

"RollNo" : 3,

"Name" : "Maulika",

"Email" : "maulika.arekar@spit.ac.in",

"Address" : "Gujarat",

"Age" : 22

}

{

"\_id" : 4,

"UCID" : 2018450004,

"RollNo" : 4,

"Name" : "Diksha",

"Email" : "diksha.bandagale@spit.ac.in",

"Address" : "Mumbai",

"Age" : 22

}

{

"\_id" : 5,

"UCID" : 2018450005,

"RollNo" : 5,

"Name" : "Riya",

"Email" : "riya.barve@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21

}

> db.Students.find({"Age":{"$lte":21}}).pretty()

{

"\_id" : 2,

"UCID" : 2018450002,

"RollNo" : 2,

"Name" : "Hammad",

"Email" : "hammad.ansari@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21

}

{

"\_id" : 5,

"UCID" : 2018450005,

"RollNo" : 5,

"Name" : "Riya",

"Email" : "riya.barve@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21

}

> db.Students.find({"Age":{"$lt":21}}).pretty()

> db.Students.find({"Age":{"$lt":22}}).pretty()

{

"\_id" : 2,

"UCID" : 2018450002,

"RollNo" : 2,

"Name" : "Hammad",

"Email" : "hammad.ansari@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21

}

{

"\_id" : 5,

"UCID" : 2018450005,

"RollNo" : 5,

"Name" : "Riya",

"Email" : "riya.barve@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21

}

> db.Students.find({"Name":{"$ne":"Nishita"}}).pretty()

{

"\_id" : 2,

"UCID" : 2018450002,

"RollNo" : 2,

"Name" : "Hammad",

"Email" : "hammad.ansari@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21

}

{

"\_id" : 3,

"UCID" : 2018450003,

"RollNo" : 3,

"Name" : "Maulika",

"Email" : "maulika.arekar@spit.ac.in",

"Address" : "Gujarat",

"Age" : 22

}

{

"\_id" : 4,

"UCID" : 2018450004,

"RollNo" : 4,

"Name" : "Diksha",

"Email" : "diksha.bandagale@spit.ac.in",

"Address" : "Mumbai",

"Age" : 22

}

{

"\_id" : 5,

"UCID" : 2018450005,

"RollNo" : 5,

"Name" : "Riya",

"Email" : "riya.barve@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21

}

> db.Students.update({"Name":"Hammad"},{$set:{"DOB":"04/17/1998"}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.Students.find({}).pretty()

{

"\_id" : 1,

"UCID" : 2018450001,

"RollNo" : 1,

"Name" : "Nishita",

"Email" : "nishita.aishwarya@spit.ac.in",

"Address" : "Patna",

"Age" : 23

}

{

"\_id" : 2,

"UCID" : 2018450002,

"RollNo" : 2,

"Name" : "Hammad",

"Email" : "hammad.ansari@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21,

"DOB" : "04/17/1998"

}

{

"\_id" : 3,

"UCID" : 2018450003,

"RollNo" : 3,

"Name" : "Maulika",

"Email" : "maulika.arekar@spit.ac.in",

"Address" : "Gujarat",

"Age" : 22

}

{

"\_id" : 4,

"UCID" : 2018450004,

"RollNo" : 4,

"Name" : "Diksha",

"Email" : "diksha.bandagale@spit.ac.in",

"Address" : "Mumbai",

"Age" : 22

}

{

"\_id" : 5,

"UCID" : 2018450005,

"RollNo" : 5,

"Name" : "Riya",

"Email" : "riya.barve@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21

}

>

> db.Students.update({"Name":"Nishita"},{$set:{"DOB":"09/21/1995"}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

>

> db.Students.update({"Name":"Maulika"},{$set:{"DOB":"07/29/1997"}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

>

> db.Students.update({"Name":"Diksha"},{$set:{"DOB":"11/04/1997"}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

>

> db.Students.update({"Name":"Riya"},{$set:{"DOB":"04/13/1998"}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.Students.update({"Name":"Hammad"},{$set:{"DOB":new Date("1998-04-17")}})

2019-10-03T15:30:17.545+0530 I NETWORK [js] DBClientConnection failed to send message to 127.0.0.1:27017 - HostUnreach

able: Connection reset by peer

2019-10-03T15:30:17.585+0530 E QUERY [js] uncaught exception: Error: error doing query: failed: network error while

attempting to run command 'update' on host '127.0.0.1:27017' :

DB.prototype.runCommand@src/mongo/shell/db.js:169:19

DBCollection.prototype.\_dbCommand@src/mongo/shell/collection.js:171:16

executeBatch@src/mongo/shell/bulk\_api.js:912:22

Bulk/this.execute@src/mongo/shell/bulk\_api.js:1163:21

DBCollection.prototype.update@src/mongo/shell/collection.js:533:22

@(shell):1:1

2019-10-03T15:30:17.587+0530 I NETWORK [js] trying reconnect to 127.0.0.1:27017 failed

2019-10-03T15:30:18.590+0530 I NETWORK [js] reconnect 127.0.0.1:27017 failed failed

> db.Students.update({"Name":"Hammad"},{$set:{"DOB":new Date("1998-04-17")}})

2019-10-03T15:30:32.231+0530 I NETWORK [js] trying reconnect to 127.0.0.1:27017 failed

2019-10-03T15:30:32.232+0530 I NETWORK [js] reconnect 127.0.0.1:27017 ok

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.Students.find({}).pretty()

{

"\_id" : 1,

"UCID" : 2018450001,

"RollNo" : 1,

"Name" : "Nishita",

"Email" : "nishita.aishwarya@spit.ac.in",

"Address" : "Patna",

"Age" : 23,

"DOB" : "09/21/1995"

}

{

"\_id" : 2,

"UCID" : 2018450002,

"RollNo" : 2,

"Name" : "Hammad",

"Email" : "hammad.ansari@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21,

"DOB" : ISODate("1998-04-17T00:00:00Z")

}

{

"\_id" : 3,

"UCID" : 2018450003,

"RollNo" : 3,

"Name" : "Maulika",

"Email" : "maulika.arekar@spit.ac.in",

"Address" : "Gujarat",

"Age" : 22,

"DOB" : "07/29/1997"

}

{

"\_id" : 4,

"UCID" : 2018450004,

"RollNo" : 4,

"Name" : "Diksha",

"Email" : "diksha.bandagale@spit.ac.in",

"Address" : "Mumbai",

"Age" : 22,

"DOB" : "11/04/1997"

}

{

"\_id" : 5,

"UCID" : 2018450005,

"RollNo" : 5,

"Name" : "Riya",

"Email" : "riya.barve@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21,

"DOB" : "04/13/1998"

}

> db.Students.update({"Name":"Nishita"},{$set:{"DOB":new Date("09/21/1995")}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

>

> db.Students.update({"Name":"Maulika"},{$set:{"DOB":new Date("07/29/1997")}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.Students.update({"Name":"Diksha"},{$set:{"DOB":new Date("11/04/1997")}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.Students.update({"Name":"Riya"},{$set:{"DOB":new Date("04/13/1998")}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.Students.find({}).pretty()

{

"\_id" : 1,

"UCID" : 2018450001,

"RollNo" : 1,

"Name" : "Nishita",

"Email" : "nishita.aishwarya@spit.ac.in",

"Address" : "Patna",

"Age" : 23,

"DOB" : ISODate("1995-09-20T18:30:00Z")

}

{

"\_id" : 2,

"UCID" : 2018450002,

"RollNo" : 2,

"Name" : "Hammad",

"Email" : "hammad.ansari@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21,

"DOB" : ISODate("1998-04-17T00:00:00Z")

}

{

"\_id" : 3,

"UCID" : 2018450003,

"RollNo" : 3,

"Name" : "Maulika",

"Email" : "maulika.arekar@spit.ac.in",

"Address" : "Gujarat",

"Age" : 22,

"DOB" : ISODate("1997-07-28T18:30:00Z")

}

{

"\_id" : 4,

"UCID" : 2018450004,

"RollNo" : 4,

"Name" : "Diksha",

"Email" : "diksha.bandagale@spit.ac.in",

"Address" : "Mumbai",

"Age" : 22,

"DOB" : ISODate("1997-11-03T18:30:00Z")

}

{

"\_id" : 5,

"UCID" : 2018450005,

"RollNo" : 5,

"Name" : "Riya",

"Email" : "riya.barve@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21,

"DOB" : ISODate("1998-04-12T18:30:00Z")

}

> var start = new Date("01/01/1994")

> db.Students.find({"DOB":{"$lt":start}}).pretty()

> db.Students.find({"DOB":{"$gt":start}}).pretty()

{

"\_id" : 1,

"UCID" : 2018450001,

"RollNo" : 1,

"Name" : "Nishita",

"Email" : "nishita.aishwarya@spit.ac.in",

"Address" : "Patna",

"Age" : 23,

"DOB" : ISODate("1995-09-20T18:30:00Z")

}

{

"\_id" : 2,

"UCID" : 2018450002,

"RollNo" : 2,

"Name" : "Hammad",

"Email" : "hammad.ansari@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21,

"DOB" : ISODate("1998-04-17T00:00:00Z")

}

{

"\_id" : 3,

"UCID" : 2018450003,

"RollNo" : 3,

"Name" : "Maulika",

"Email" : "maulika.arekar@spit.ac.in",

"Address" : "Gujarat",

"Age" : 22,

"DOB" : ISODate("1997-07-28T18:30:00Z")

}

{

"\_id" : 4,

"UCID" : 2018450004,

"RollNo" : 4,

"Name" : "Diksha",

"Email" : "diksha.bandagale@spit.ac.in",

"Address" : "Mumbai",

"Age" : 22,

"DOB" : ISODate("1997-11-03T18:30:00Z")

}

{

"\_id" : 5,

"UCID" : 2018450005,

"RollNo" : 5,

"Name" : "Riya",

"Email" : "riya.barve@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21,

"DOB" : ISODate("1998-04-12T18:30:00Z")

}

> db.Students.find({"RollNo":{"$in":[02,03]}}).pretty()

2019-10-03T15:37:15.690+0530 I NETWORK [js] DBClientConnection failed to send message to 127.0.0.1:27017 - HostUnreach

able: Connection reset by peer

Error: error doing query: failed: network error while attempting to run command 'find' on host '127.0.0.1:27017'

> db.Students.find({"RollNo":{"$in":[02,03]}}).pretty()

2019-10-03T15:37:23.763+0530 I NETWORK [js] trying reconnect to 127.0.0.1:27017 failed

2019-10-03T15:37:23.764+0530 I NETWORK [js] reconnect 127.0.0.1:27017 ok

{

"\_id" : 2,

"UCID" : 2018450002,

"RollNo" : 2,

"Name" : "Hammad",

"Email" : "hammad.ansari@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21,

"DOB" : ISODate("1998-04-17T00:00:00Z")

}

{

"\_id" : 3,

"UCID" : 2018450003,

"RollNo" : 3,

"Name" : "Maulika",

"Email" : "maulika.arekar@spit.ac.in",

"Address" : "Gujarat",

"Age" : 22,

"DOB" : ISODate("1997-07-28T18:30:00Z")

}

> db.Students.find({"RollNo":{"$nin":[02,03]}}).pretty()

{

"\_id" : 1,

"UCID" : 2018450001,

"RollNo" : 1,

"Name" : "Nishita",

"Email" : "nishita.aishwarya@spit.ac.in",

"Address" : "Patna",

"Age" : 23,

"DOB" : ISODate("1995-09-20T18:30:00Z")

}

{

"\_id" : 4,

"UCID" : 2018450004,

"RollNo" : 4,

"Name" : "Diksha",

"Email" : "diksha.bandagale@spit.ac.in",

"Address" : "Mumbai",

"Age" : 22,

"DOB" : ISODate("1997-11-03T18:30:00Z")

}

{

"\_id" : 5,

"UCID" : 2018450005,

"RollNo" : 5,

"Name" : "Riya",

"Email" : "riya.barve@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21,

"DOB" : ISODate("1998-04-12T18:30:00Z")

}

> db.Students.find({"$or":[{"Name":"Riya"},{"RollNo":05}]}).pretty()

{

"\_id" : 5,

"UCID" : 2018450005,

"RollNo" : 5,

"Name" : "Riya",

"Email" : "riya.barve@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21,

"DOB" : ISODate("1998-04-12T18:30:00Z")

}

> db.Students.find({"UCID":{"$mod":[5,1]}}}).pretty()

2019-10-03T15:46:16.871+0530 E QUERY [js] uncaught exception: SyntaxError: missing ) after argument list :

@(shell):1:40

> db.Students.find({"UCID":{"$mod":[5,1]}}).pretty()

{

"\_id" : 1,

"UCID" : 2018450001,

"RollNo" : 1,

"Name" : "Nishita",

"Email" : "nishita.aishwarya@spit.ac.in",

"Address" : "Patna",

"Age" : 23,

"DOB" : ISODate("1995-09-20T18:30:00Z")

}

> db.Students.find({"UCID":{"$mod":[5,2]}}).pretty()

{

"\_id" : 2,

"UCID" : 2018450002,

"RollNo" : 2,

"Name" : "Hammad",

"Email" : "hammad.ansari@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21,

"DOB" : ISODate("1998-04-17T00:00:00Z")

}

> db.Students.find({"UCID":{"$not":{"$mod":[5,2]}}}).pretty()

{

"\_id" : 1,

"UCID" : 2018450001,

"RollNo" : 1,

"Name" : "Nishita",

"Email" : "nishita.aishwarya@spit.ac.in",

"Address" : "Patna",

"Age" : 23,

"DOB" : ISODate("1995-09-20T18:30:00Z")

}

{

"\_id" : 3,

"UCID" : 2018450003,

"RollNo" : 3,

"Name" : "Maulika",

"Email" : "maulika.arekar@spit.ac.in",

"Address" : "Gujarat",

"Age" : 22,

"DOB" : ISODate("1997-07-28T18:30:00Z")

}

{

"\_id" : 4,

"UCID" : 2018450004,

"RollNo" : 4,

"Name" : "Diksha",

"Email" : "diksha.bandagale@spit.ac.in",

"Address" : "Mumbai",

"Age" : 22,

"DOB" : ISODate("1997-11-03T18:30:00Z")

}

{

"\_id" : 5,

"UCID" : 2018450005,

"RollNo" : 5,

"Name" : "Riya",

"Email" : "riya.barve@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21,

"DOB" : ISODate("1998-04-12T18:30:00Z")

}

> db.Students.find({}).pretty()

{

"\_id" : 1,

"UCID" : 2018450001,

"RollNo" : 1,

"Name" : "Nishita",

"Email" : "nishita.aishwarya@spit.ac.in",

"Address" : "Patna",

"Age" : 23,

"DOB" : ISODate("1995-09-20T18:30:00Z")

}

{

"\_id" : 2,

"UCID" : 2018450002,

"RollNo" : 2,

"Name" : "Hammad",

"Email" : "hammad.ansari@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21,

"DOB" : ISODate("1998-04-17T00:00:00Z")

}

{

"\_id" : 3,

"UCID" : 2018450003,

"RollNo" : 3,

"Name" : "Maulika",

"Email" : "maulika.arekar@spit.ac.in",

"Address" : "Gujarat",

"Age" : 22,

"DOB" : ISODate("1997-07-28T18:30:00Z")

}

{

"\_id" : 4,

"UCID" : 2018450004,

"RollNo" : 4,

"Name" : "Diksha",

"Email" : "diksha.bandagale@spit.ac.in",

"Address" : "Mumbai",

"Age" : 22,

"DOB" : ISODate("1997-11-03T18:30:00Z")

}

{

"\_id" : 5,

"UCID" : 2018450005,

"RollNo" : 5,

"Name" : "Riya",

"Email" : "riya.barve@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21,

"DOB" : ISODate("1998-04-12T18:30:00Z")

}

> db.Students.find({"UCID":{"$in":[null],"$exist": true}}).pretty()

Error: error: {

"ok" : 0,

"errmsg" : "unknown operator: $exist",

"code" : 2,

"codeName" : "BadValue"

}

> db.Students.find({"UCID":{"$in":[null],"$exists": true}}).pretty()

> db.Students.find({"UCID":{"$in":[null],"$exists": false}}).pretty()

> db.Students.find({"UCID":{"$not":{"$in":[null],"$exists": true}}}).pretty()

{

"\_id" : 1,

"UCID" : 2018450001,

"RollNo" : 1,

"Name" : "Nishita",

"Email" : "nishita.aishwarya@spit.ac.in",

"Address" : "Patna",

"Age" : 23,

"DOB" : ISODate("1995-09-20T18:30:00Z")

}

{

"\_id" : 2,

"UCID" : 2018450002,

"RollNo" : 2,

"Name" : "Hammad",

"Email" : "hammad.ansari@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21,

"DOB" : ISODate("1998-04-17T00:00:00Z")

}

{

"\_id" : 3,

"UCID" : 2018450003,

"RollNo" : 3,

"Name" : "Maulika",

"Email" : "maulika.arekar@spit.ac.in",

"Address" : "Gujarat",

"Age" : 22,

"DOB" : ISODate("1997-07-28T18:30:00Z")

}

{

"\_id" : 4,

"UCID" : 2018450004,

"RollNo" : 4,

"Name" : "Diksha",

"Email" : "diksha.bandagale@spit.ac.in",

"Address" : "Mumbai",

"Age" : 22,

"DOB" : ISODate("1997-11-03T18:30:00Z")

}

{

"\_id" : 5,

"UCID" : 2018450005,

"RollNo" : 5,

"Name" : "Riya",

"Email" : "riya.barve@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21,

"DOB" : ISODate("1998-04-12T18:30:00Z")

}

>

> db.Students.find({"Name":/ha/i}).pretty()

{

"\_id" : 2,

"UCID" : 2018450002,

"RollNo" : 2,

"Name" : "Hammad",

"Email" : "hammad.ansari@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21,

"DOB" : ISODate("1998-04-17T00:00:00Z")

}

{

"\_id" : 4,

"UCID" : 2018450004,

"RollNo" : 4,

"Name" : "Diksha",

"Email" : "diksha.bandagale@spit.ac.in",

"Address" : "Mumbai",

"Age" : 22,

"DOB" : ISODate("1997-11-03T18:30:00Z")

}

> db.Students.find({"Name":/h/i}).pretty()

{

"\_id" : 1,

"UCID" : 2018450001,

"RollNo" : 1,

"Name" : "Nishita",

"Email" : "nishita.aishwarya@spit.ac.in",

"Address" : "Patna",

"Age" : 23,

"DOB" : ISODate("1995-09-20T18:30:00Z")

}

{

"\_id" : 2,

"UCID" : 2018450002,

"RollNo" : 2,

"Name" : "Hammad",

"Email" : "hammad.ansari@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21,

"DOB" : ISODate("1998-04-17T00:00:00Z")

}

{

"\_id" : 4,

"UCID" : 2018450004,

"RollNo" : 4,

"Name" : "Diksha",

"Email" : "diksha.bandagale@spit.ac.in",

"Address" : "Mumbai",

"Age" : 22,

"DOB" : ISODate("1997-11-03T18:30:00Z")

}

> db.Students.update({"Name":"Maulika"},{$set:{"Hobbies":["Gym","Movies","Foodie"])}})

2019-10-03T15:57:37.198+0530 E QUERY [js] uncaught exception: SyntaxError: missing } after property list :

@(shell):1:80

> db.Students.update({"Name":"Maulika"},{$set:{"Hobbies":["Gym","Movies","Foodie"]}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.Students.update({"Name":"Hammad"},{$set:{"Hobbies":["Gym","Code","Soccer"]}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.Students.update({"Name":"Nishita"},{$set:{"Hobbies":["Reading","Dancing"]}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

>

Windows PowerShell

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PS C:\Windows\system32> mongo

MongoDB shell version v4.2.0

connecting to: mongodb://127.0.0.1:27017/?compressors=disabled&gssapiServiceName=mongodb

Implicit session: session { "id" : UUID("04250b31-fee8-43a7-9cb3-99515275004f") }

MongoDB server version: 4.2.0

Server has startup warnings:

2019-10-04T11:14:03.836+0530 I CONTROL [initandlisten]

2019-10-04T11:14:03.836+0530 I CONTROL [initandlisten] \*\* WARNING: Access control is not enabled for the database.

2019-10-04T11:14:03.836+0530 I CONTROL [initandlisten] \*\* Read and write access to data and configuration is

unrestricted.

2019-10-04T11:14:03.836+0530 I CONTROL [initandlisten]

2019-10-04T11:14:03.836+0530 I CONTROL [initandlisten] \*\* WARNING: This server is bound to localhost.

2019-10-04T11:14:03.837+0530 I CONTROL [initandlisten] \*\* Remote systems will be unable to connect to this se

rver.

2019-10-04T11:14:03.837+0530 I CONTROL [initandlisten] \*\* Start the server with --bind\_ip <address> to specif

y which IP

2019-10-04T11:14:03.837+0530 I CONTROL [initandlisten] \*\* addresses it should serve responses from, or with -

-bind\_ip\_all to

2019-10-04T11:14:03.837+0530 I CONTROL [initandlisten] \*\* bind to all interfaces. If this behavior is desired

, start the

2019-10-04T11:14:03.837+0530 I CONTROL [initandlisten] \*\* server with --bind\_ip 127.0.0.1 to disable this war

ning.

2019-10-04T11:14:03.837+0530 I CONTROL [initandlisten]

---

Enable MongoDB's free cloud-based monitoring service, which will then receive and display

metrics about your deployment (disk utilization, CPU, operation statistics, etc).

The monitoring data will be available on a MongoDB website with a unique URL accessible to you

and anyone you share the URL with. MongoDB may use this information to make product

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()

---

> show databases

SPIT 0.000GB

admin 0.000GB

config 0.000GB

local 0.000GB

> use SPIT

switched to db SPIT

> db.Students.find({}).pretty()

{

"\_id" : 1,

"UCID" : 2018450001,

"RollNo" : 1,

"Name" : "Nishita",

"Email" : "nishita.aishwarya@spit.ac.in",

"Address" : "Patna",

"Age" : 23,

"DOB" : ISODate("1995-09-20T18:30:00Z"),

"Hobbies" : [

"Reading",

"Dancing"

]

}

{

"\_id" : 2,

"UCID" : 2018450002,

"RollNo" : 2,

"Name" : "Hammad",

"Email" : "hammad.ansari@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21,

"DOB" : ISODate("1998-04-17T00:00:00Z"),

"Hobbies" : [

"Gym",

"Code",

"Soccer"

]

}

{

"\_id" : 3,

"UCID" : 2018450003,

"RollNo" : 3,

"Name" : "Maulika",

"Email" : "maulika.arekar@spit.ac.in",

"Address" : "Gujarat",

"Age" : 22,

"DOB" : ISODate("1997-07-28T18:30:00Z"),

"Hobbies" : [

"Gym",

"Movies",

"Foodie"

]

}

{

"\_id" : 4,

"UCID" : 2018450004,

"RollNo" : 4,

"Name" : "Diksha",

"Email" : "diksha.bandagale@spit.ac.in",

"Address" : "Mumbai",

"Age" : 22,

"DOB" : ISODate("1997-11-03T18:30:00Z")

}

{

"\_id" : 5,

"UCID" : 2018450005,

"RollNo" : 5,

"Name" : "Riya",

"Email" : "riya.barve@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21,

"DOB" : ISODate("1998-04-12T18:30:00Z")

}

> db.Students.find({"Hobbies":{$all:["Gym"]}}).pretty()

{

"\_id" : 2,

"UCID" : 2018450002,

"RollNo" : 2,

"Name" : "Hammad",

"Email" : "hammad.ansari@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21,

"DOB" : ISODate("1998-04-17T00:00:00Z"),

"Hobbies" : [

"Gym",

"Code",

"Soccer"

]

}

{

"\_id" : 3,

"UCID" : 2018450003,

"RollNo" : 3,

"Name" : "Maulika",

"Email" : "maulika.arekar@spit.ac.in",

"Address" : "Gujarat",

"Age" : 22,

"DOB" : ISODate("1997-07-28T18:30:00Z"),

"Hobbies" : [

"Gym",

"Movies",

"Foodie"

]

}

> db.Students.findOne({"Hobbies":{"$slice":2}}).pretty()

2019-10-04T11:18:06.552+0530 E QUERY [js] uncaught exception: Error: error: {

"ok" : 0,

"errmsg" : "unknown operator: $slice",

"code" : 2,

"codeName" : "BadValue"

} :

\_getErrorWithCode@src/mongo/shell/utils.js:25:13

DBCommandCursor@src/mongo/shell/query.js:696:15

DBQuery.prototype.\_exec@src/mongo/shell/query.js:111:28

DBQuery.prototype.hasNext@src/mongo/shell/query.js:282:5

DBCollection.prototype.findOne@src/mongo/shell/collection.js:255:10

@(shell):1:1

> db.Students.findOne(criteria,{"Hobbies":{"$slice":2}}).pretty()

2019-10-04T11:18:32.607+0530 E QUERY [js] uncaught exception: ReferenceError: criteria is not defined :

@(shell):1:1

> db.Students.findOne({},{"Hobbies":{"$slice":2}}).pretty()

2019-10-04T11:19:14.416+0530 E QUERY [js] uncaught exception: TypeError: db.Students.findOne(...).pretty is not a fu

nction :

@(shell):1:1

> db.Students.find({},{"Hobbies":{"$slice":2}}).pretty()

{

"\_id" : 1,

"UCID" : 2018450001,

"RollNo" : 1,

"Name" : "Nishita",

"Email" : "nishita.aishwarya@spit.ac.in",

"Address" : "Patna",

"Age" : 23,

"DOB" : ISODate("1995-09-20T18:30:00Z"),

"Hobbies" : [

"Reading",

"Dancing"

]

}

{

"\_id" : 2,

"UCID" : 2018450002,

"RollNo" : 2,

"Name" : "Hammad",

"Email" : "hammad.ansari@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21,

"DOB" : ISODate("1998-04-17T00:00:00Z"),

"Hobbies" : [

"Gym",

"Code"

]

}

{

"\_id" : 3,

"UCID" : 2018450003,

"RollNo" : 3,

"Name" : "Maulika",

"Email" : "maulika.arekar@spit.ac.in",

"Address" : "Gujarat",

"Age" : 22,

"DOB" : ISODate("1997-07-28T18:30:00Z"),

"Hobbies" : [

"Gym",

"Movies"

]

}

{

"\_id" : 4,

"UCID" : 2018450004,

"RollNo" : 4,

"Name" : "Diksha",

"Email" : "diksha.bandagale@spit.ac.in",

"Address" : "Mumbai",

"Age" : 22,

"DOB" : ISODate("1997-11-03T18:30:00Z")

}

{

"\_id" : 5,

"UCID" : 2018450005,

"RollNo" : 5,

"Name" : "Riya",

"Email" : "riya.barve@spit.ac.in",

"Address" : "Mumbai",

"Age" : 21,

"DOB" : ISODate("1998-04-12T18:30:00Z")

}

> db.Students.find(criteria,{"Hobbies":{"$slice":2}}).pretty()

2019-10-04T11:25:47.229+0530 E QUERY [js] uncaught exception: ReferenceError: criteria is not defined :

@(shell):1:1

>