

College Database System

Md Yaseen Ahmed

1BM19CS404

MongoDB shell version v4.4.3

connecting to:

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

Implicit session: session { "id" : UUID("b4541213-57e9-4d4c-81a7-87077d74cfe3") }

MongoDB server version: 4.4.3

The server generated these startup warnings when booting:

2021-04-13T05:42:34.367+05:30: Access control is not enabled for the database.
Read and write access to data and configuration is unrestricted

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 dbs;

admin 0.000GB

config 0.000GB

local 0.000GB

tshirt 0.001GB

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```
> use college;
switched to db college
> db.createCollection("Student");
{ "ok" : 1 }
> db.Student.insertOne({
... name: "Md Yaseen",
... usn: "1BM19CS404",
... emails: {"mdyaseenahmed1@gmail.com","yaseenmd.cs19@bmsce.ac.in"},
... sem: 6,
... dept: "CSE"
... });
uncaught exception: SyntaxError: missing : after property id :
@(shell):4:35
> db.Student.drop();
true
> db.createCollection("Student",{autoIndexID: true});
{
  "ok" : 0,
  "errmsg" : "BSON field 'create.autoIndexID' is an unknown field.",
  "code" : 40415,
  "codeName" : "Location40415"
}
> db.Student.insert({
... name: "Md Yaseen",
... usn: "1BM19CS404",
... emails: {"yaseenmd.cs19@bmsce.ac.in","mdyaseenahmed1@gmail.com"},
... sem: 6,
... dept: "CSE"
```

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```
... });
```

```
uncaught exception: SyntaxError: missing : after property id :
```

```
@(shell):4:36
```

```
> db.Student.insert({ name: "Md Yaseen", usn: "1BM19CS404", sem: 6, dept: "CSE" });
```

```
WriteResult({ "nInserted" : 1 })
```

```
> show collections;
```

```
Student
```

```
> db.Student.fin()
```

```
uncaught exception: TypeError: db.Student.fin is not a function :
```

```
@(shell):1:1
```

```
> db.Student.find()
```

```
{ "_id" : ObjectId("6078095738b4d4382aa108c2"), "name" : "Md Yaseen", "usn" :  
"1BM19CS404", "sem" : 6, "dept" : "CSE" }
```

```
> db.Student.find().pretty()
```

```
{  
  "_id" : ObjectId("6078095738b4d4382aa108c2"),  
  "name" : "Md Yaseen",  
  "usn" : "1BM19CS404",  
  "sem" : 6,  
  "dept" : "CSE"  
}
```

```
> db.Student.insert({ name: "John Doe", usn: "1BM19IS104", sem: 4, dept: "ISE" });
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.Student.insert({ name: "Virat", usn: "1BM18CS172", sem: 6, dept: "CSE" });
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.Student.insert({ name: "David", usn: "1BM18CS007", sem: 6, dept: "CSE" });
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.Student.find().pretty()
```

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```
{  
  "_id" : ObjectId("6078095738b4d4382aa108c2"),  
  "name" : "Md Yaseen",  
  "usn" : "1BM19CS404",  
  "sem" : 6,  
  "dept" : "CSE"  
}
```

```
{  
  "_id" : ObjectId("60780c8038b4d4382aa108c3"),  
  "name" : "John Doe",  
  "usn" : "1BM19IS104",  
  "sem" : 4,  
  "dept" : "ISE"  
}
```

```
{  
  "_id" : ObjectId("60780cac38b4d4382aa108c4"),  
  "name" : "Virat",  
  "usn" : "1BM18CS172",  
  "sem" : 6,  
  "dept" : "CSE"  
}
```

```
{  
  "_id" : ObjectId("60780cc238b4d4382aa108c5"),  
  "name" : "David",  
  "usn" : "1BM18CS007",  
  "sem" : 6,  
  "dept" : "CSE"  
}
```

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```
> db.Student.update({name: "Md Yaseen"},{$set:{sem: 7}});
```

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

```
> db.Student.find().pretty()
```

```
{
  "_id" : ObjectId("6078095738b4d4382aa108c2"),
  "name" : "Md Yaseen",
  "usn" : "1BM19CS404",
  "sem" : 7,
  "dept" : "CSE"
}
{
  "_id" : ObjectId("60780c8038b4d4382aa108c3"),
  "name" : "John Doe",
  "usn" : "1BM19IS104",
  "sem" : 4,
  "dept" : "ISE"
}
{
  "_id" : ObjectId("60780cac38b4d4382aa108c4"),
  "name" : "Virat",
  "usn" : "1BM18CS172",
  "sem" : 6,
  "dept" : "CSE"
}
{
  "_id" : ObjectId("60780cc238b4d4382aa108c5"),
  "name" : "David",
  "usn" : "1BM18CS007",
```

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```
"sem" : 6,
"dept" : "CSE"
}
> db.Student.find({name:"David"}).pretty()
{
  "_id" : ObjectId("60780cc238b4d4382aa108c5"),
  "name" : "David",
  "usn" : "1BM18CS007",
  "sem" : 6,
  "dept" : "CSE"
}
> db.Student.remove({name:"David"});
WriteResult({ "nRemoved" : 1 })
> db.Student.find({name:"David"}).pretty()
> db.Student.find().pretty()
{
  "_id" : ObjectId("6078095738b4d4382aa108c2"),
  "name" : "Md Yaseen",
  "usn" : "1BM19CS404",
  "sem" : 7,
  "dept" : "CSE"
}
{
  "_id" : ObjectId("60780c8038b4d4382aa108c3"),
  "name" : "John Doe",
  "usn" : "1BM19IS104",
  "sem" : 4,
  "dept" : "ISE"
```

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```
}  
  
{  
  "_id" : ObjectId("60780cac38b4d4382aa108c4"),  
  "name" : "Virat",  
  "usn" : "1BM18CS172",  
  "sem" : 6,  
  "dept" : "CSE"  
}  
  
> db.Student.find({name:"Md yaseen"});  
> db.Student.find({name:"Md Yaseen"});  
{ "_id" : ObjectId("6078095738b4d4382aa108c2"), "name" : "Md Yaseen", "usn" :  
"1BM19CS404", "sem" : 7, "dept" : "CSE" }  
  
> db.Student.find({name:"Md Yaseen"}).pretty();  
  
{  
  "_id" : ObjectId("6078095738b4d4382aa108c2"),  
  "name" : "Md Yaseen",  
  "usn" : "1BM19CS404",  
  "sem" : 7,  
  "dept" : "CSE"  
}  
  
> db.createCollection("faculty",{ autoIndexID: true });  
  
{  
  "ok" : 0,  
  "errmsg" : "BSON field 'create.autoIndexID' is an unknown field.",  
  "code" : 40415,  
  "codeName" : "Location40415"  
}  
  
> db.faculty.insert({
```

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```
... name: "Morgan",
... faculty_id: 3124,
..
> db.faculty.insert({ name: "Tukaram", faculty_id: 4512, experience: "6 Years", dept:
"CSE", salary: 75000 });
> db.faculty.insert({ name: "Tukaram", faculty_id: 4512, experience: "6 Years", dept:
"CSE", salary: 75000 });
> db.faculty.insert({ name: "Tukaram", faculty_id: 4512, experience: "6 Years", dept:
"CSE", salary: 75000 });
> db.faculty.insert({ name: "Tukaram", faculty_id: 4512, experience: "6 Years", dept:
"CSE", salary: 75000 });
> db.faculty.insert({ name: "Tukaram", faculty_id: 4512, experience: "6 Years", dept:
"CSE", salary: 75000 });
> db.faculty.insert({ name: "Tukaram", faculty_id: 4512, experience: "6 Years", dept:
"CSE", salary: 75000 });
>
> db.faculty.insert({ name: "Tukaram", faculty_id: 4512, experience: "6 Years", dept:
"CSE", salary: 65000 });
WriteResult({ "nInserted" : 1 })
> db.faculty.insert({ name: "Rahul", faculty_id: 1145, experience: "8 Years", dept: "ISE",
salary: 50000 });
WriteResult({ "nInserted" : 1 })
> db.faculty.insert({ name: "Virat", faculty_id: 7654, experience: "3 Years", dept: "ISE",
salary: 45000 });
WriteResult({ "nInserted" : 1 })
> db.faculty.insert({ name: "Rohit", faculty_id: 7454, experience: "5 Years", dept: "ISE",
salary: 45000 });
WriteResult({ "nInserted" : 1 })
> db.faculty.find().pretty();
```


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```
{  
  "_id" : ObjectId("607812da38b4d4382aa108c6"),  
  "name" : "Morgan",  
  "faculty_id" : 3124,  
  "experience" : "5 Years",  
  "dept" : "CSE",  
  "salary" : 75000  
}
```

```
{  
  "_id" : ObjectId("6078130438b4d4382aa108c7"),  
  "name" : "Tukaram",  
  "faculty_id" : 4512,  
  "experience" : "6 Years",  
  "dept" : "CSE",  
  "salary" : 75000  
}
```

```
{  
  "_id" : ObjectId("607813d738b4d4382aa108c8"),  
  "name" : "Tukaram",  
  "faculty_id" : 4512,  
  "experience" : "6 Years",  
  "dept" : "CSE",  
  "salary" : 65000  
}
```

```
{  
  "_id" : ObjectId("607813fc38b4d4382aa108c9"),  
  "name" : "Rahul",  
  "faculty_id" : 1145,  
}
```

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```
"experience" : "8 Years",
"dept" : "ISE",
"salary" : 50000
}
{
  "_id" : ObjectId("6078144d38b4d4382aa108ca"),
  "name" : "Virat",
  "faculty_id" : 7654,
  "experience" : "3 Years",
  "dept" : "ISE",
  "salary" : 45000
}
{
  "_id" : ObjectId("6078145f38b4d4382aa108cb"),
  "name" : "Rohit",
  "faculty_id" : 7454,
  "experience" : "5 Years",
  "dept" : "ISE",
  "salary" : 45000
}
> db.createCollection("COE",{autoIndexID:true});
{
  "ok" : 0,
  "errmsg" : "BSON field 'create.autoIndexID' is an unknown field.",
  "code" : 40415,
  "codeName" : "Location40415"
}
> db.COE.insert({
```

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```
... designation: "head",
... name: "Basvaraj"
... });
WriteResult({ "nInserted" : 1 })
> db.COE.insert({ designation: "vicehead", name: "Prasad" });
WriteResult({ "nInserted" : 1 })
> db.COE.insert({ designation: "staff", name: "Reddy" });
WriteResult({ "nInserted" : 1 })
> db.COE.insert({ designation: "staff", name: "Rahul" });
WriteResult({ "nInserted" : 1 })
> db.COE.find().pretty();
{
  "_id" : ObjectId("6078152738b4d4382aa108cc"),
  "designation" : "head",
  "name" : "Basvaraj"
}
{
  "_id" : ObjectId("6078153e38b4d4382aa108cd"),
  "designation" : "vicehead",
  "name" : "Prasad"
}
{
  "_id" : ObjectId("6078154e38b4d4382aa108ce"),
  "designation" : "staff",
  "name" : "Reddy"
}
{
  "_id" : ObjectId("6078155938b4d4382aa108cf"),
```

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```
"designation" : "staff",
"name" : "Rahul"
}
> db.createCollection("library",{ autoIndexID: true});
{
  "ok" : 0,
  "errmsg" : "BSON field 'create.autoIndexID' is an unknown field.",
  "code" : 40415,
  "codeName" : "Location40415"
}
> db.library.insert({
... book_id: 1287,
... book_name: "BDA",
... borrower_name: "Md Yaseen"
... });
WriteResult({ "nInserted" : 1 })
> db.library.insert({ book_id: 9887, book_name: "ML", borrower_name: "Ahmed" });
WriteResult({ "nInserted" : 1 })
> db.library.insert({ book_id: 9897, book_name: "OOMD", borrower_name: "John" });
WriteResult({ "nInserted" : 1 })
> db.library.insert({ book_id: 7897, book_name: "DM", borrower_name: "James" });
WriteResult({ "nInserted" : 1 })
> db.library.find().pretty();
{
  "_id" : ObjectId("607815a638b4d4382aa108d0"),
  "book_id" : 1287,
  "book_name" : "BDA",
  "borrower_name" : "Md Yaseen"
```

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```
}
{
  "_id" : ObjectId("607815b638b4d4382aa108d1"),
  "book_id" : 9887,
  "book_name" : "ML",
  "borrower_name" : "Ahmed"
}
{
  "_id" : ObjectId("607815c638b4d4382aa108d2"),
  "book_id" : 9897,
  "book_name" : "OOMB",
  "borrower_name" : "John"
}
{
  "_id" : ObjectId("607815d638b4d4382aa108d3"),
  "book_id" : 7897,
  "book_name" : "DM",
  "borrower_name" : "James"
}
> db.createCollection("admission",{autoIndexID:true});
{
  "ok" : 0,
  "errmsg" : "BSON field 'create.autoIndexID' is an unknown field.",
  "code" : 40415,
  "codeName" : "Location40415"
}
> db.admission.insert({
... admission_id: 201900238,
```

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```
... type: "DCET",
... amount_paid: 25300
... });
WriteResult({ "nInserted" : 1 })
> db.admission.insert({ admission_id: 201800987, type: "KCET", amount_paid: 35300
});
WriteResult({ "nInserted" : 1 })
> db.admission.insert({ admission_id: 201800351, type: "COMEDK", amount_paid:
24631 });
WriteResult({ "nInserted" : 1 })
> db.admission.insert({ admission_id: 201900231, type: "DCET", amount_paid: 25463
});
WriteResult({ "nInserted" : 1 })
> db.admission.find().pretty();
{
  "_id" : ObjectId("6078164938b4d4382aa108d4"),
  "admission_id" : 201900238,
  "type" : "DCET",
  "amount_paid" : 25300
}
{
  "_id" : ObjectId("6078165c38b4d4382aa108d5"),
  "admission_id" : 201800987,
  "type" : "KCET",
  "amount_paid" : 35300
}
{
  "_id" : ObjectId("6078167038b4d4382aa108d6"),
  "admission_id" : 201800351,
```

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```
"type" : "COMEDK",
"amount_paid" : 24631
}
{
  "_id" : ObjectId("6078168b38b4d4382aa108d7"),
  "admission_id" : 201900231,
  "type" : "DCET",
  "amount_paid" : 25463
}
> db.createCollection("festival",{autoIndexID: true});
{
  "ok" : 0,
  "errmsg" : "BSON field 'create.autoIndexID' is an unknown field.",
  "code" : 40415,
  "codeName" : "Location40415"
}
> db.festival.insert({
... organiser: "Md Yaseen",
... year: 2020,
... location: "Auditorium Hall - 2"
... capacity: "Half"
... });
uncaught exception: SyntaxError: missing } after property list :
@(shell):5:0
> db.festival.insert({ organiser: "Md Yaseen", year: 2020, location: "Auditorium Hall - 2",
capacity: "Half" });
WriteResult({ "nInserted" : 1 })
```

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```
> db.festival.insert({ organiser: "John", year: 2021, location: "Auditorium Hall - 1",  
capacity: "Full" });
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.festival.insert({ organiser: "James", year: 2019, location: "Auditorium Hall - 1",  
capacity: "Full" });
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.festival.insert({ organiser: "Virat", year: 2016, location: "Seminar Hall CSE - 2",  
capacity: "Full" });
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.festival.find().pretty();
```

```
{  
  "_id" : ObjectId("6078171838b4d4382aa108d8"),  
  "organiser" : "Md Yaseen",  
  "year" : 2020,  
  "location" : "Auditorium Hall - 2",  
  "capacity" : "Half"
```

```
}
```

```
{  
  "_id" : ObjectId("6078172c38b4d4382aa108d9"),  
  "organiser" : "John",  
  "year" : 2021,  
  "location" : "Auditorium Hall - 1",  
  "capacity" : "Full"
```

```
}
```

```
{  
  "_id" : ObjectId("6078173738b4d4382aa108da"),  
  "organiser" : "James",  
  "year" : 2019,  
  "location" : "Auditorium Hall - 1",
```


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```
"capacity" : "Full"
}
{
  "_id" : ObjectId("6078175338b4d4382aa108db"),
  "organiser" : "Virat",
  "year" : 2016,
  "location" : "Seminar Hall CSE - 2",
  "capacity" : "Full"
}
```