

1. Creating Database & CRUD operations:

> use myDB;

> db;

myDB

> db.createCollection("student");

{ok:1}

> db.student.insert({_id:1, studName:"Gay", Grade:"X", Hobbies:"Internet surfing"});

{acknowledged:true, insertedIds:{'0':1}}

> db.student.update({_id:3, studName:"Myan", Grade:"VIII"},
{ \$set: {Hobbies:"skating"} },
{upset:true});

{acknowledged:true}

> db.student.find({studName:"Myan"});

[{_id:3, Grade:'VIII', studName:'Myan', Hobbies:'skating'}]

> db.student.find({Grade:{ \$eq: 'VIII' }}).pretty();

[{_id:3, Grade:'VIII', studName:'Myan', Hobbies:'skating'}]

> db.student.find({studName:/i/}).pretty();

[{_id:1, studName:'Gay', Grade:'X', Hobbies:'Internet surfing'}]

> db.student.count();

2

> db.student.find().sort({studName:-1}).pretty();

[
{_id:1, studName:'Gay', Grade:'X', Hobbies:'Internet surfing'},
{_id:3, Grade:'VIII', studName:'Myan', Hobbies:'skating'}
]

]

2. Importing csv file:

> mongoimport --uri "mongodb+srv://gajonmerajokcs22:bda1ab@bda.2ood2.mongodb.net/myDB" --collection sampleJSON --type csv --headerline --file c:\users\Admin\Desktop\bmsce\sample.txt

3 documents imported successfully.

3. Exporting CSV file:

```
> mongoreport mongodb+srv://gajenonapkc522:bdaLab@bda.2020.mongodb.net/myDB --collection=student --out C:\Users\Admin\Desktop\bmscsc/sample.txt
```

exported 4 records

4. Update method:

```
> db.student.update({'_id': 4}, {'$set': {'Location': 'Network'}}
acknowledged: true
```

```
> db.student.update({'_id': 4}, {'$unset': {'Location': 'Network'}}
acknowledged: true
```

5. Find method:

```
> db.student.find({'_id': 1}, {'_id': 1, 'Grade': 1, '-id': 0});
```

```
> db.student.find({'Grade': {'$ne': 'VII'}}, {'_id': 1, 'Grade': 1, '-id': 0});
```

6. Count() function:

```
> db.student.count()
```

```
4
> db.student.count({'Grade': 'VII'})
0
```

7. Sorting the documents

```
> db.student.find().sort({'StudentName': 1}).pretty() //ascending
```

```
> db.student.find().sort({'StudentName': -1}).pretty() //descending
```

8. To skip 1st 2 documents from student collection:

```
> db.student.find().skip(2).pretty()
```