

Program 4

Question – MongoDB

1. Create a new collection

use Student

2. Insert a value

```
db.Student.insert({  
  "Name" : "Parag",  
  "RollNo:" : 67,  
  "Age" : 21,  
  "ContactNo" : "55445115115",  
  "EmailId": "parag@cse.com"  
})
```

3. Insert multiple values at once

```
var MyStudents = [  
  { "Name" : "bdib", "RollNo:" : 4, "Age" : 57, "ContactNo" : "5151191861", "EmailId":  
    "1554@lab.com"},  
  { "Name" : "bbdb", "RollNo:" : 56, "Age" : 11, "ContactNo" : "5161561651", "EmailId" :  
    "451551@lab.com"},  
  { "Name" : "efrrfce", "RollNo:" : 72, "Age" : 26, "ContactNo" : "551511516", "EmailId" :  
    "efvcdf@lab.com"},  
  { "Name" : "refcd", "RollNo:" : 20, "Age" : 88, "ContactNo" : "66188161", "EmailId" :  
    "fvfviihdbi@lab.com"},  
]  
db.Student.insert(MyStudents);
```

4. Print all current values

```
db.getCollection('Student').find({}).forEach(printjson)
```

```
{  
  "_id" : ObjectId("60aa81d5b772b1fe4004694e"),  
  "Name" : "Parag",  
  "RollNo:" : 67,  
  "Age" : 21,  
  "ContactNo" : "55445115115",  
  "EmailId" : "parag@cse.com"
```

```
}
```

```
{  
  "_id" : ObjectId("60aa8208b772b1fe4004694f"),  
  "Name" : "bdib",  
  "RollNo:" : 4,  
  "Age" : 57,  
  "ContactNo" : "5151191861",  
  "EmailId" : "1554@lab.com"
```

```
}
```

```
{  
  "_id" : ObjectId("60aa8208b772b1fe40046950"),  
  "Name" : "bbdb",  
  "RollNo:" : 56,  
  "Age" : 11,  
  "ContactNo" : "5161561651",  
  "EmailId" : "451551@lab.com"
```

```
}
```

```
{  
  "_id" : ObjectId("60aa8208b772b1fe40046951"),  
  "Name" : "efrrfce",  
  "RollNo:" : 72,
```

```

    "Age" : 26,
    "ContactNo" : "551511516",
    "EmailId" : "efvcdf@lab.com"
  }
  {
    "_id" : ObjectId("60aa8208b772b1fe40046952"),
    "Name" : "refcd",
    "RollNo" : 20,
    "Age" : 88,
    "ContactNo" : "66188161",
    "EmailId" : "fvfviihdbi@lab.com"
  }

```

5. Update RollNo of a student

```

db.Student.update(
{"RollNo" : 67},
{$set: { "EmailId" : "gattani@bmsce.com"}});
db.getCollection('Student').find({"RollNo":10}).forEach(printjson)

```

```

{
  "_id" : ObjectId("60aa81d5b772b1fe4004694e"),
  "Name" : "Parag",
  "RollNo" : 67,
  "Age" : 21,
  "ContactNo" : "55445115115",
  "EmailId" : "gattani@bmsce.com"
}

```

6. Update Name of a student

```

db.Student.update(
{"Name" : "Parag"},

```

```
{ $set: { "Name" : "ubdbbdb" } };
```

```
db.getCollection('Student').find({ "Name" : "EcksWhyZee" }).forEach(printjson)
```

```
{  
  "_id" : ObjectId("60aa81d5b772b1fe4004694e"),  
  "Name" : "ubdbbdb",  
  "RollNo" : 67,  
  "Age" : 21,  
  "ContactNo" : "55445115115",  
  "EmailId" : "gattani@bmsce.com"  
}
```

7. Export to json

```
mongoexport --db testdb --collection Student --out C:\Users\Desktop\Exported\Student.json
```

```
{ "_id": {"_id": "606ad5a6e581cc0b904470a5"}, "Name": "EcksWhyZee", "RollNo": 1.0, "Age": 21.0, "ContactNo": "1234567890", "EmailId": "user1@lab.com" }
```

```
{ "_id": {"_id": "606ad60fe581cc0b904470a6"}, "Name": "ABC", "RollNo": 3.0, "Age": 22.0, "ContactNo": "2234567890", "EmailId": "user2@lab.com" }
```

```
{ "_id": {"_id": "606ad60fe581cc0b904470a7"}, "Name": "DEF", "RollNo": 5.0, "Age": 21.0, "ContactNo": "3234567890", "EmailId": "user3@lab.com" }
```

```
{ "_id": {"_id": "606ad60fe581cc0b904470a8"}, "Name": "GHI", "RollNo": 7.0, "Age": 20.0, "ContactNo": "4234567890", "EmailId": "user4@lab.com" }
```

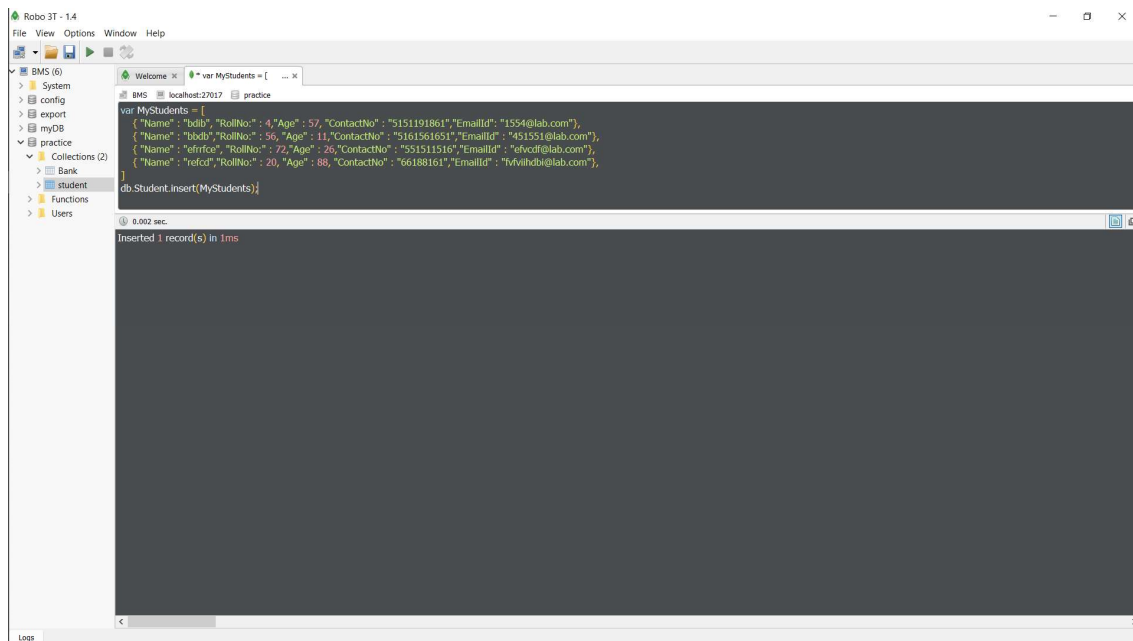
```
{ "_id": {"_id": "606ad60fe581cc0b904470a9"}, "Name": "JKL", "RollNo": 10.0, "Age": 18.0, "ContactNo": "5234567890", "EmailId": "modified@lab.com" }
```

8. Drop Student

```
db.getCollection('Student').drop()
```

9. Import from exported file

mongoimport --db testdb --collection Student C:\Users\Desktop\Exported\Student.json



Robo 3T - 1.4

File View Options Window Help

BMS (6)

- > System
- > config
- > export
- > myDB
- > practice
 - > Collections (2)
 - > Student
 - > student
 - > Functions (0)
 - > Users (0)

db.getCollection("student").find({})

Student 0.001 sec.

Key	Value	Type
(1) ObjectId("60aa81d5b772b1fe4004694e")	[6 fields]	Object
_id	ObjectId("60aa81d5b772b1fe4004694e")	ObjectId
Name	ubdbdbd	String
RollNo:	67.0	Double
Age	21.0	Double
ContactNo	55445115115	String
EmailId	gattani@bmsce.com	String
(2) ObjectId("60aa8208b772b1fe4004694f")	[6 fields]	Object
_id	ObjectId("60aa8208b772b1fe4004694f")	ObjectId
Name	bdld	String
RollNo:	4.0	Double
Age	57.0	Double
ContactNo	5151191861	String
EmailId	1554@lab.com	String
(3) ObjectId("60aa8208b772b1fe40046950")	[6 fields]	Object
_id	ObjectId("60aa8208b772b1fe40046950")	ObjectId
Name	bdld	String
RollNo:	56.0	Double
Age	11.0	Double
ContactNo	5161561651	String
EmailId	451551@lab.com	String
(4) ObjectId("60aa8208b772b1fe40046951")	[6 fields]	Object
_id	ObjectId("60aa8208b772b1fe40046951")	ObjectId
Name	efrrfce	String
RollNo:	72.0	Double
Age	26.0	Double
ContactNo	551511516	String
EmailId	efvrcf@lab.com	String
(5) ObjectId("60aa8208b772b1fe40046952")	[6 fields]	Object
_id	ObjectId("60aa8208b772b1fe40046952")	ObjectId
Name	refcd	String
RollNo:	20.0	Double
Age	88.0	Double

Logs