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Lab-BDA C3

Lab-3

Output

The screenshot shows the MongoDB Shell interface. The left sidebar displays the database structure: BDA\_LAB (5) with folders for System, College, Company, and config. The main window has a tab for 'db.Students.find()' and a code editor with the following commands:

```
use College
db.createCollection('Students')

db.Students.insert({ RollNo:10, Age:23, Mob:9999988888, Name:"Abc", Email:"abc@gmail.com"})
db.Students.insert({ RollNo:11, Age:20, Mob:9999988887, Name:"Efg", Email:"efg@gmail.com"})
db.Students.insert({ RollNo:8, Age:22, Mob:9999988886, Name:"Lmn", Email:"lmn@gmail.com"})

db.Students.find()

db.Students.update({RollNo:10},{$set:{Email:"ABC@gmail.com"}})

db.Students.update({Name:"Abc"},{$set:{Name:"FEM"}})

mongoexport -d Database -c Student -f RollNo,Age,Mob,Name,Email --type=csv -o Student.csv

db.Students.drop()

mongoimport -d Database -c Student --type csv --file
```

Below the code editor, the 'Students' collection is displayed with a table view. The table has columns for Key, Value, and Type. The data is as follows:

Key	Value	Type
(1) ObjectId("5f841f86a0edc3593cb3cc0a")	{ 6 fields }	Object
_id	ObjectId("5f841f86a0edc3593cb3cc0a")	ObjectId
RollNo	10.0	Double
Age	23.0	Double
Mob	9999988888.0	Double
Name	Abc	String
Email	abc@gmail.com	String
(2) ObjectId("5f841f8ba0edc3593cb3cc0b")	{ 6 fields }	Object
(3) ObjectId("5f841f8ea0edc3593cb3cc0c")	{ 6 fields }	Object

This screenshot is similar to the first one, but it shows the state of the 'Students' collection after two updates. The code editor contains the same initial commands, followed by the update operations:

```
db.Students.update({RollNo:10},{$set:{Email:"ABC@gmail.com"}})
db.Students.find()

db.Students.update({Name:"Abc"},{$set:{Name:"FEM"}})
```

The table view below shows the updated data:

Key	Value	Type
(1) ObjectId("5f841f86a0edc3593cb3cc0a")	{ 6 fields }	Object
_id	ObjectId("5f841f86a0edc3593cb3cc0a")	ObjectId
RollNo	10.0	Double
Age	23.0	Double
Mob	9999988888.0	Double
Name	Abc	String
Email	ABC@gmail.com	String
(2) ObjectId("5f841f8ba0edc3593cb3cc0b")	{ 6 fields }	Object
(3) ObjectId("5f841f8ea0edc3593cb3cc0c")	{ 6 fields }	Object

At the bottom of the interface, there is a 'Logs' tab.

```

use College
db.createCollection('Students')

db.Students.insert({ RollNo:10, Age:23, Mob:999998888, Name:"Abc", Email:"abc@gmail.com"})
db.Students.insert({ RollNo:11, Age:20, Mob:999998887, Name:"Efg", Email:"efg@gmail.com"})
db.Students.insert({ RollNo:8, Age:22, Mob:999998886, Name:"Lmn", Email:"lmn@gmail.com"})

db.Students.find()

db.Students.update({RollNo:10},{set:{Email:"ABC@gmail.com"}})
db.Students.find()

db.Students.update({Name:"Abc"},{$set:{Name:"FEM"}})
db.Students.find()

mongoexport -d Database -c Student -f RollNo,Age,Mob,Name,Email --type=csv -o Student.csv

db.Students.drop()
  
```

Key	Value	Type
(1) Objectid("5f841f86a0edc3593cb3cc0a")	{ 6 fields }	Object
_id	Objectid("5f841f86a0edc3593cb3cc0a")	Objectid
RollNo	10.0	Double
Age	23.0	Double
Mob	999998888.0	Double
Name	FEM	String
Email	ABC@gmail.com	String
(2) Objectid("5f841f86a0edc3593cb3cc0b")	{ 6 fields }	Object
(3) Objectid("5f841f86a0edc3593cb3cc0c")	{ 6 fields }	Object

```

db.Students.insert({ RollNo:10, Age:23, Mob:999998888, Name:"Abc", Email:"abc@gmail.com"})
db.Students.insert({ RollNo:11, Age:20, Mob:999998887, Name:"Efg", Email:"efg@gmail.com"})
db.Students.insert({ RollNo:8, Age:22, Mob:999998886, Name:"Lmn", Email:"lmn@gmail.com"})

db.Students.find()

db.Students.update({RollNo:10},{set:{Email:"ABC@gmail.com"}})
db.Students.find()

db.Students.update({Name:"Abc"},{$set:{Name:"FEM"}})
db.Students.find()
  
```

RollNo	Age	Mob	Name	Email
10	23	1.00E+10	FEM	ABC@gmail.com
11	20	1.00E+10	Efg	efg@gmail.com
8	22	1.00E+10	Lmn	lmn@gmail.com

```

Administrator: Command Prompt

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C:\Windows\system32>cd C:\Program Files\MongoDB\Server\4.0\bin

C:\Program Files\MongoDB\Server\4.0\bin>mongoexport -d College -c Students -f RollNo,Age,Mob,Name,Email --type=csv -o Student.csv
2020-10-12T15:10:03.951+0530   connected to: localhost
2020-10-12T15:10:04.024+0530   exported 3 records

C:\Program Files\MongoDB\Server\4.0\bin>
  
```

