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Lab-BDA C3

Lab-3

Output

The screenshot shows the MongoDB Compass interface. The left sidebar displays the project structure with 'BDA_LAB (5)' expanded, showing 'System', 'College', 'Company', and 'config' folders. The main editor window has a tab for 'db.Students.find()' and contains the following code:

```
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'. It shows three documents:

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("5f841f86a0edc3593cb3cc0b")	{ 6 fields }	Object
(3) ObjectId("5f841f86a0edc3593cb3cc0c")	{ 6 fields }	Object

This screenshot shows the same MongoDB Compass interface as the first one, but after an update operation. The code in the editor is identical, except for the update command:

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

The 'Students' collection table view shows the same three documents, but the first document's 'Name' field has been updated from 'Abc' to 'FEM'.

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	FEM	String
Email	ABC@gmail.com	String
(2) ObjectId("5f841f86a0edc3593cb3cc0b")	{ 6 fields }	Object
(3) ObjectId("5f841f86a0edc3593cb3cc0c")	{ 6 fields }	Object

A 'Logs' tab is visible at the bottom of the interface.

```

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.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	9999988888.0	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: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.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

```

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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>
  
```

