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CSE C3

LAB 2 output screenshots

The screenshot shows a MongoDB Shell session with the following code executed:

```
use Company
show collections
use Company

db.createCollection("Department")
db.createCollection("Employee")

db.Department.find()
db.Employee.find()

db.Department.insert({_id:1,Name:"CUSTOMER CARE",NoOfEmp:2000,Head:"Abc"})
db.Department.update({_id:2,Name:"HR",NoOfEmp:1500},{set:{Head:"Lmn"}},{upsert:true})
db.Department.save({_id:3,Name:"Customer Division",NoOfEmp:300,Head:"Akash"})
db.Department.insert({_id:4,Name:"OPERATIONS",NoOfEmp:1500,Head:"Xyz"})
db.Department.insert({_id:5,Name:"HEALTH",NoOfEmp:1400,Head:"Efg"})

db.Employee.insert({_id: 1,Name: "Amar", Age: 27,phone:"8899889910"})
db.Employee.update({_id: 2,Name: "Ram", Age: 28},{set:{phone:"8899889911"}},{upsert:true})
```

The output shows the 'Employee' collection with 3 documents:

Key	Value	Type
(1) 1.0	{ 5 fields }	Object
_id	1.0	Double
Name	Amar	String
Age	27.0	Double
phone	8899889910	String
Dept	1003.0	Double
(2) 2.0	{ 5 fields }	Object
(3) 3.0	{ 4 fields }	Object
_id	3.0	Double
Name	Amarjeet	String

The screenshot shows a MongoDB Shell session with the following code executed:

```
db.Department.insert({_id:1,Name:"CUSTOMER CARE",NoOfEmp:2000,Head:"Abc"})
db.Department.update({_id:2,Name:"HR",NoOfEmp:1500},{set:{Head:"Lmn"}},{upsert:true})
db.Department.save({_id:3,Name:"Customer Division",NoOfEmp:300,Head:"Akash"})
db.Department.insert({_id:4,Name:"OPERATIONS",NoOfEmp:1500,Head:"Xyz"})
db.Department.insert({_id:5,Name:"HEALTH",NoOfEmp:1400,Head:"Efg"})

db.Employee.insert({_id: 1,Name: "Amar", Age: 27,phone:"8899889910"})
db.Employee.update({_id: 2,Name: "Ram", Age: 28},{set:{phone:"8899889911"}},{upsert:true})
db.Employee.save({_id: 3,Name: "Amarjeet", Age: 31, phone:"8899889912"})
db.Employee.insert({_id: 4,Name: "Shyam", Age: 45, phone:"8899889913"})
db.Employee.insert({_id: 5,Name: "Sita", Age: 29, phone:"8899889914"})

db.Department.find()
db.Employee.find()

db.Employee.update({_id:1},{set:{Dept:1003}})
db.Employee.update({_id:2},{set:{Dept:1009}})
```

The output shows the 'Department' collection with 5 documents:

Key	Value	Type
(1) 1.0	{ 4 fields }	Object
_id	1.0	Double
Name	CUSTOMER CARE	String
NoOfEmp	2000.0	Double
Head	Abc	String
(2) 2.0	{ 4 fields }	Object
(3) 3.0	{ 4 fields }	Object
(4) 4.0	{ 4 fields }	Object
(5) 5.0	{ 4 fields }	Object

BDA_LAB (5)

- System
- College
- Company
- config

Welcome x *db.Employee.find() x

BDA_LAB localhost:27017 Company

```
db.Employee.update({'_id':1},{$set:{Dept:1003}})
db.Employee.update({'_id':2},{$set:{Dept:1009}})
db.Employee.update({'_id':3},{$set:{Dept:1004}})
db.Employee.update({'_id':4},{$set:{Dept:1011}})
db.Employee.update({'_id':5},{$set:{Dept:1002}})

db.Department.find()
db.Employee.find()

db.Employee.update({'_id':3},{$unset:{Age:31}})

db.Employee.find({Dept: {$gt : 1000, $lt : 1005}}, {Name:1, Dept:1})

db.Employee.find({Age:{$gt:30}})

db.Employee.find({Name:/^A/})
```

Employee 0.001 sec.

Key	Value	Type
> (1) 1.0	{ 5 fields }	Object
> (2) 2.0	{ 5 fields }	Object
▼ (3) 3.0	{ 4 fields }	Object
_id	3.0	Double
Name	Amarjeet	String
phone	8899889912	String
Dept	1004.0	Double
> (4) 4.0	{ 5 fields }	Object
> (5) 5.0	{ 5 fields }	Object

BDA_LAB (5)

- System
- College
- Company
- config

Welcome x *db.Employee.find(Dept: {\$gt: 1000, \$lt: 1005}) x

BDA_LAB localhost:27017 Company

```
db.Employee.update({'_id':1},{$set:{Dept:1003}})
db.Employee.update({'_id':2},{$set:{Dept:1009}})
db.Employee.update({'_id':3},{$set:{Dept:1004}})
db.Employee.update({'_id':4},{$set:{Dept:1011}})
db.Employee.update({'_id':5},{$set:{Dept:1002}})

db.Department.find()
db.Employee.find()

db.Employee.update({'_id':3},{$unset:{Age:31}})

db.Employee.find({Dept: {$gt : 1000, $lt : 1005}}, {Name:1, Dept:1})

db.Employee.find({Age:{$gt:30}})

db.Employee.find({Name:/^A/})
```

Employee 0.002 sec.

Key	Value	Type
▼ (1) 1.0	{ 3 fields }	Object
_id	1.0	Double
Name	Amar	String
Dept	1003.0	Double
▼ (2) 3.0	{ 3 fields }	Object
_id	3.0	Double
Name	Amarjeet	String
Dept	1004.0	Double
> (3) 5.0	{ 3 fields }	Object

BDA_LAB (5)

- System
- College
- Company
- config

Welcome x * db.Employee.find({Age:\$gt:... x

BDA_LAB localhost:27017 Company

```

db.Employee.update({_id:1},{$set:{Dept:1003}})
db.Employee.update({_id:2},{$set:{Dept:1009}})
db.Employee.update({_id:3},{$set:{Dept:1004}})
db.Employee.update({_id:4},{$set:{Dept:1011}})
db.Employee.update({_id:5},{$set:{Dept:1002}})

db.Department.find()
db.Employee.find()

db.Employee.update({_id:3},{$unset:{Age:31}})

db.Employee.find({Dept: {$gt : 1000, $lt : 1005}}, {Name:1, Dept:1})

db.Employee.find({Age:{$gt:30}})

db.Employee.find({Name:/^A/})

```

Employee 0.002 sec.

0 50

Key

(1) 4.0

_id

4.0

Double

Value

{ 5 fields }

Object

Type

Object

BDA_LAB (5)

- System
- College
- Company
- config

Welcome x * db.Employee.find({Name:/^A... x

BDA_LAB localhost:27017 Company

```

db.Employee.update({_id:1},{$set:{Dept:1003}})
db.Employee.update({_id:2},{$set:{Dept:1009}})
db.Employee.update({_id:3},{$set:{Dept:1004}})
db.Employee.update({_id:4},{$set:{Dept:1011}})
db.Employee.update({_id:5},{$set:{Dept:1002}})

db.Department.find()
db.Employee.find()

db.Employee.update({_id:3},{$unset:{Age:31}})

db.Employee.find({Dept: {$gt : 1000, $lt : 1005}}, {Name:1, Dept:1})

db.Employee.find({Age:{$gt:30}})

db.Employee.find({Name:/^A/})

```

Employee 0.004 sec.

0 50

Key

(1) 1.0

_id

1.0

Double

Value

{ 5 fields }

Object

Type

Object

Logs