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Lab-BDA C3

Lab-3 (B)

Output

The screenshot displays the MongoDB Shell and its corresponding GUI interface. The Shell window shows the following commands and their output:

```
use Database
db.createCollection('Customer')

db.Customer.insert({cust_id:1,AccBal:1600,AccType:"Z"})
db.Customer.insert({cust_id:2,AccBal:4000,AccType:"A"})
db.Customer.insert({cust_id:1,AccBal:5000,AccType:"B"})
db.Customer.insert({cust_id:4,AccBal:3500,AccType:"Z"})
db.Customer.insert({cust_id:2,AccBal:6000,AccType:"A"})
db.Customer.find()

db.Customer.find({AccBal:{$gt:1200}, AccType:"Z"})
```

The GUI shows the results of the queries. The first query, `db.Customer.find()`, returns 5 documents. The second query, `db.Customer.find({AccBal:{$gt:1200}, AccType:"Z"})`, returns 2 documents.

Key	Value	Type
(1) ObjectId("5f842a41a0edc3593cb3cc0d")	{ 4 fields }	Object
_id	ObjectId("5f842a41a0edc3593cb3cc0d")	Objectid
cust_id	1.0	Double
AccBal	1600.0	Double
AccType	Z	String
(2) ObjectId("5f842a45a0edc3593cb3cc0e")	{ 4 fields }	Object
(3) ObjectId("5f842a48a0edc3593cb3cc0f")	{ 4 fields }	Object
(4) ObjectId("5f842a4ba0edc3593cb3cc10")	{ 4 fields }	Object
(5) ObjectId("5f842a4ea0edc3593cb3cc11")	{ 4 fields }	Object

Key	Value	Type
(1) ObjectId("5f842a41a0edc3593cb3cc0d")	{ 4 fields }	Object
_id	ObjectId("5f842a41a0edc3593cb3cc0d")	Objectid
cust_id	1.0	Double
AccBal	1600.0	Double
AccType	Z	String
(2) ObjectId("5f842a4ba0edc3593cb3cc10")	{ 4 fields }	Object
_id	ObjectId("5f842a4ba0edc3593cb3cc10")	Objectid
cust_id	4.0	Double
AccBal	3500.0	Double
AccType	Z	String

BDA_LAB (5)

- System
- College
- Company
- config

Welcome x *db.Customer.aggregate([... x

BDA_LAB localhost:27017 Database

```

db.Customer.insert({cust_id:2,AccBal:4000,AccType:"A"})
db.Customer.insert({cust_id:1,AccBal:5000,AccType:"B"})
db.Customer.insert({cust_id:4,AccBal:3500,AccType:"Z"})
db.Customer.insert({cust_id:2,AccBal:6000,AccType:"A"})
db.Customer.find()

db.Customer.find({AccBal:{$gt:1200}, AccType:"Z"})

db.Customer.aggregate([
  {
    $group: {
      _id: "$cust_id",
      min_bal: {$min: "$AccBal"},
      max_bal: {$max: "$AccBal"}
    }
  }
])

```

Customer 0.594 sec.

Key	Value	Type
(1) 2.0 _id min_bal max_bal	{ 3 fields } 2.0 4000.0 6000.0	Object Double Double Double
(2) 4.0 _id min_bal max_bal	{ 3 fields } 4.0 3500.0 3500.0	Object Double Double Double
(3) 1.0 _id	{ 3 fields } 1.0	Object Double

BDA_LAB (5)

- System
- College
- Company
- config

Welcome x *db.Customer.aggregate([... x

BDA_LAB localhost:27017 Database

```

db.Customer.insert({cust_id:2,AccBal:4000,AccType:"A"})
db.Customer.insert({cust_id:1,AccBal:5000,AccType:"B"})
db.Customer.insert({cust_id:4,AccBal:3500,AccType:"Z"})
db.Customer.insert({cust_id:2,AccBal:6000,AccType:"A"})
db.Customer.find()

db.Customer.find({AccBal:{$gt:1200}, AccType:"Z"})

db.Customer.aggregate([
  {
    $group: {
      _id: "$cust_id",

```

Administrator: Command Prompt

```

2020-10-12T15:18:25.175+0530 error parsing command line options: expected argument for flag '/file'
2020-10-12T15:18:25.176+0530 try 'mongoimport --help' for more information

C:\Program Files\MongoDB\Server\4.0\bin>mongoimport -d College -c Students --type csv --file Student.csv --headerline
2020-10-12T15:19:49.046+0530 connected to: localhost
2020-10-12T15:19:49.370+0530 imported 3 documents

C:\Program Files\MongoDB\Server\4.0\bin>mongoexport -d Database -c Customer -f cust_id,AccBal,AccType --type=csv -o Customer.csv
2020-10-12T15:38:24.897+0530 connected to: localhost
2020-10-12T15:38:24.901+0530 exported 5 records

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

```

	A	B	C	D	E	F
1	cust_id	AccBal	AccType			
2	1	1600	Z			
3	2	4000	A			
4	1	5000	B			
5	4	3500	Z			
6	2	6000	A			

max_bal 6000.0 Double

