

BDA LAB 4 SCREENSHOT

```
Command Prompt - mongo
Microsoft Windows [Version 10.0.18362.1016]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\AJAY>cd C:\Program Files\MongoDB\Server\4.0\bin

C:\Program Files\MongoDB\Server\4.0\bin>mongo
MongoDB shell version v4.0.20-36-gf8006ee
connecting to: mongodb://127.0.0.1:27017/?gssapiServiceName=mongodb
Implicit session: session { "id" : UUID("691e17b7-062b-431f-9c9a-52635164d926") }
MongoDB server version: 4.0.20-36-gf8006ee

Server has startup warnings:
2020-10-01T14:59:04.159+0530 I CONTROL [initandlisten]
2020-10-01T14:59:04.159+0530 I CONTROL [initandlisten] ** WARNING: Access control is not enabled for the database.
2020-10-01T14:59:04.160+0530 I CONTROL [initandlisten] **      Read and write access to data and configuration is unrestricted.
2020-10-01T14:59:04.160+0530 I CONTROL [initandlisten]

---
Enable MongoDB's free cloud-based monitoring service, which will then receive and display
metrics about your deployment (disk utilization, CPU, operation statistics, etc).

The monitoring data will be available on a MongoDB website with a unique URL accessible to you
and anyone you share the URL with. MongoDB may use this information to make product
improvements and to suggest MongoDB products and deployment options to you.

To enable free monitoring, run the following command: db.enableFreeMonitoring()
To permanently disable this reminder, run the following command: db.disableFreeMonitoring()
---

> use mynew;
switched to db mynew
>
> db;
mynew
>
> show dbs;
admin            0.000GB
company          0.000GB
config           0.000GB
local            0.000GB
myDB             0.000GB
student          0.000GB
>
> db.createCollection("Customer");
{ "ok" : 1 }
> db.Customer.insert({cust_id:1,Acc_bal:1500,Acc_type:"Z"});
```

```
Command Prompt - mongo
["ok" : 1 ]
> db.Customer.insert({cust_id:1,Acc_bal:1500,Acc_type:"Z"});
WriteResult({ "nInserted" : 1 })
> ^C
bye

C:\Program Files\MongoDB\Server\4.0\bin>mongo
MongoDB shell version v4.0.20-36-gf8006ee
connecting to: mongodb://127.0.0.1:27017/?gssapiServiceName=mongodb
Implicit session: session { "id" : UUID("0d006071-f961-408f-ad44-7af228c2af7b") }
MongoDB server version: 4.0.20-36-gf8006ee

Server has startup warnings:
2020-10-01T14:59:04.159+0530 I CONTROL [initandlisten]
2020-10-01T14:59:04.159+0530 I CONTROL [initandlisten] ** WARNING: Access control is not enabled for the database.
2020-10-01T14:59:04.160+0530 I CONTROL [initandlisten] **      Read and write access to data and configuration is unrestricted.
2020-10-01T14:59:04.160+0530 I CONTROL [initandlisten]

---
Enable MongoDB's free cloud-based monitoring service, which will then receive and display
metrics about your deployment (disk utilization, CPU, operation statistics, etc).

The monitoring data will be available on a MongoDB website with a unique URL accessible to you
and anyone you share the URL with. MongoDB may use this information to make product
improvements and to suggest MongoDB products and deployment options to you.

To enable free monitoring, run the following command: db.enableFreeMonitoring()
To permanently disable this reminder, run the following command: db.disableFreeMonitoring()
---

> use mynew;
switched to db mynew
>
> db;
mynew
>
> show dbs;
admin            0.000GB
company          0.000GB
config           0.000GB
local            0.000GB
myDB             0.000GB
mynew            0.000GB
student          0.000GB
>
> db.Customer.insert({cust_id:2,Acc_bal:3000,Acc_type:"A"});
WriteResult({ "nInserted" : 1 })
> db.Customer.insert({cust_id:3,Acc_bal:1200,Acc_type:"A"});
```

```
Command Prompt - mongo
writeResult({ "inserted" : 1 })
> db.Customer.insert({cust_id:3,Acc_bal:1200,Acc_type:"A"});
writeResult({ "inserted" : 1 })
> db.Customer.insert({cust_id:2,Acc_bal:1200,Acc_type:"Z"});
writeResult({ "inserted" : 1 })
> db.Customer.insert({cust_id:3,Acc_bal:1280,Acc_type:"Z"});
writeResult({ "inserted" : 1 })
> db.Customer.find();
{ "_id" : ObjectId("5f7ee871db549e5ed9de467e"), "cust_id" : 1, "Acc_bal" : 1500, "Acc_type" : "Z" }
{ "_id" : ObjectId("5f7ee8cd9ed92632ce25700"), "cust_id" : 2, "Acc_bal" : 3000, "Acc_type" : "A" }
{ "_id" : ObjectId("5f7ee8d9b9ed92632ce25701"), "cust_id" : 3, "Acc_bal" : 1200, "Acc_type" : "A" }
{ "_id" : ObjectId("5f7ee901b9ed92632ce25702"), "cust_id" : 2, "Acc_bal" : 1200, "Acc_type" : "Z" }
{ "_id" : ObjectId("5f7ee90bb9ed92632ce25703"), "cust_id" : 3, "Acc_bal" : 1280, "Acc_type" : "Z" }
> db.Customer.find({Acc_bal:{$gt:1200}, Acc_type:"Z"});
{ "_id" : ObjectId("5f7ee871db549e5ed9de467e"), "cust_id" : 1, "Acc_bal" : 1500, "Acc_type" : "Z" }
{ "_id" : ObjectId("5f7ee90bb9ed92632ce25703"), "cust_id" : 3, "Acc_bal" : 1280, "Acc_type" : "Z" }
> db.Customer.aggregate([
... .. {
... ..   $group: {
... ..     _id: "$cust_id",
... ..     min_bal: {$min: "$Acc_bal"},
... ..     max_bal: {$max: "$Acc_bal"}
... ..   }
... .. });
{ "_id" : 3, "min_bal" : 1200, "max_bal" : 1280 }
{ "_id" : 2, "min_bal" : 1200, "max_bal" : 3000 }
{ "_id" : 1, "min_bal" : 1500, "max_bal" : 1500 }
>
> db.Customer.find();
{ "_id" : ObjectId("5f7ee871db549e5ed9de467e"), "cust_id" : 1, "Acc_bal" : 1500, "Acc_type" : "Z" }
{ "_id" : ObjectId("5f7ee8cd9ed92632ce25700"), "cust_id" : 2, "Acc_bal" : 3000, "Acc_type" : "A" }
{ "_id" : ObjectId("5f7ee8d9b9ed92632ce25701"), "cust_id" : 3, "Acc_bal" : 1200, "Acc_type" : "A" }
{ "_id" : ObjectId("5f7ee901b9ed92632ce25702"), "cust_id" : 2, "Acc_bal" : 1200, "Acc_type" : "Z" }
{ "_id" : ObjectId("5f7ee90bb9ed92632ce25703"), "cust_id" : 3, "Acc_bal" : 1280, "Acc_type" : "Z" }
> exit
bye
```

```
Command Prompt - mongo
bye

C:\Program Files\MongoDB\Server\4.0\bin>mongoexport -d mynew -c Customer -f cust_id,Acc_bal,Acc_type --type=csv -o F:\Mongo\Customer.csv
2020-10-08T16:00:40.513+0530   connected to: localhost
2020-10-08T16:00:40.515+0530   exported 5 records

C:\Program Files\MongoDB\Server\4.0\bin>mongo
MongoDB shell version v4.0.20-36-gf8006ee
connecting to: mongod://127.0.0.1:27017/?gssapiServiceName=mongod
Implicit session: session { "id" : UUID("968a3021-59a0-4e43-b35e-bf4047255a29") }
MongoDB server version: 4.0.20-36-gf8006ee
Server has startup warnings:
2020-10-01T14:59:04.159+0530 I CONTROL [initandlisten]
2020-10-01T14:59:04.159+0530 I CONTROL [initandlisten] ** WARNING: Access control is not enabled for the database.
2020-10-01T14:59:04.160+0530 I CONTROL [initandlisten] **          Read and write access to data and configuration is unrestricted.
2020-10-01T14:59:04.160+0530 I CONTROL [initandlisten]
---
Enable MongoDB's free cloud-based monitoring service, which will then receive and display
metrics about your deployment (disk utilization, CPU, operation statistics, etc).

The monitoring data will be available on a MongoDB website with a unique URL accessible to you
and anyone you share the URL with. MongoDB may use this information to make product
improvements and to suggest MongoDB products and deployment options to you.

To enable free monitoring, run the following command: db.enableFreeMonitoring()
To permanently disable this reminder, run the following command: db.disableFreeMonitoring()
---
> use mynew;
switched to db mynew
>
> db.Customer.drop();
true
> db.Customer.find();
>
> exit
bye

C:\Program Files\MongoDB\Server\4.0\bin>mongoimport -d mynew -c Customer --type csv -f cust_id,Acc_bal,Acc_type --file F:\Mongo\Customer.csv
2020-10-08T16:02:40.349+0530   connected to: localhost
2020-10-08T16:02:40.536+0530   imported 6 documents

C:\Program Files\MongoDB\Server\4.0\bin>mongo
MongoDB shell version v4.0.20-36-gf8006ee
```

```
Command Prompt - mongo
C:\Program Files\MongoDB\Server\4.0\bin>mongo
MongoDB shell version v4.0.20-36-gf8006ee
connecting to: mongod://127.0.0.1:27017/?gssapiServiceName=mongod
Implicit session: session { "id" : UUID("96d3c0fb-8396-401e-8b6c-f717fa1539c7") }
MongoDB server version: 4.0.20-36-gf8006ee
Server has startup warnings:
2020-10-01T14:59:04.159+0530 I CONTROL [initandlisten]
2020-10-01T14:59:04.159+0530 I CONTROL [initandlisten] ** WARNING: Access control is not enabled for the database.
2020-10-01T14:59:04.160+0530 I CONTROL [initandlisten] **          Read and write access to data and configuration is unrestricted.
2020-10-01T14:59:04.160+0530 I CONTROL [initandlisten]
---
Enable MongoDB's free cloud-based monitoring service, which will then receive and display
metrics about your deployment (disk utilization, CPU, operation statistics, etc).

The monitoring data will be available on a MongoDB website with a unique URL accessible to you
and anyone you share the URL with. MongoDB may use this information to make product
improvements and to suggest MongoDB products and deployment options to you.

To enable free monitoring, run the following command: db.enableFreeMonitoring()
To permanently disable this reminder, run the following command: db.disableFreeMonitoring()
---
> use mynew;
switched to db mynew
>
> db.Customer.find();
{ "_id" : ObjectId("5f7eeac889d7eb67df1f3b35"), "cust_id" : 3, "Acc_bal" : 1200, "Acc_type" : "A" }
{ "_id" : ObjectId("5f7eeac889d7eb67df1f3b36"), "cust_id" : "cust_id", "Acc_bal" : "Acc_bal", "Acc_type" : "Acc_type" }
{ "_id" : ObjectId("5f7eeac889d7eb67df1f3b37"), "cust_id" : 2, "Acc_bal" : 1200, "Acc_type" : "Z" }
{ "_id" : ObjectId("5f7eeac889d7eb67df1f3b38"), "cust_id" : 3, "Acc_bal" : 1200, "Acc_type" : "Z" }
{ "_id" : ObjectId("5f7eeac889d7eb67df1f3b39"), "cust_id" : 1, "Acc_bal" : 1500, "Acc_type" : "Z" }
{ "_id" : ObjectId("5f7eeac889d7eb67df1f3b3a"), "cust_id" : 2, "Acc_bal" : 3000, "Acc_type" : "A" }
>
```