


**From:** Madhushree S Shetty madhushree.cs22@bmsce.ac.in   
**Subject:** BDA lab2(March 11th 2025)  
**Date:** 11 March 2025 at 3:28 PM  
**To:** Madhushree S Shetty madhushreesetty2003@gmail.com

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bmscece@bmscece-HP-Elite-Tower-800-G9-Desktop-PC:~\$ mongosh  
Current Mongosh Log ID: 67d006cc3c83a95afd567a2a  
Connecting to: mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.3.7  
Using MongoDB: 7.0.16  
Using Mongosh: 2.3.7  
mongosh 2.4.2 is available for download: <https://www.mongodb.com/try/download/shell>

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The server generated these startup warnings when booting  
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2025-03-11T14:05:22.471+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted  
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test> use myDB
switched to db myDB
myDB> db.createCollection("Customers");
{ ok: 1 }
myDB> db.Customers.insert({cust_id:1,Balance:200, Type:"S"});
DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany, or bulkWrite.
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('67d006f53c83a95afd567a2b') }
}
myDB> db.Customers.insert({cust_id:2,Balance:11200, Type:"Z"});
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('67d0070e3c83a95afd567a2c') }
}
myDB> db.Customers.insert({cust_id:2,Balance:200, Type:"S"});
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('67d007153c83a95afd567a2d') }
}
myDB> db.Customers.insert({cust_id:3,Balance:2300, Type:"Z"});
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('67d007223c83a95afd567a2e') }
}
myDB> db.Customers.insert({cust_id:4,Balance:2300, Type:"Z"});
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('67d007273c83a95afd567a2f') }
}
myDB> db.Customers.insert({cust_id:5,Balance:2300, Type:"S"});
{
  acknowledged: true,
  insertedIds: { '0': ObjectId('67d007303c83a95afd567a30') }
}
myDB> db.Customers.aggregate ( {$match:{Type:"Z"}},
... {$group : { _id : "$cust_id",
... TotAccBal :{$sum:"$Balance"} } }, {$match:{TotAccBal:{$gt:1200}}});
[
  { _id: 3, TotAccBal: 2300 },
  { _id: 4, TotAccBal: 2300 },
  { _id: 2, TotAccBal: 11200 }
]
myDB> db.Customers.aggregate (
... {$group : { _id : "$cust_id",
... minAccBal :{$min:"$Balance"}, maxAccBal :{$max:"$Balance"} } });
[
  { _id: 3, minAccBal: 2300, maxAccBal: 2300 },
  { _id: 1, minAccBal: 200, maxAccBal: 200 },
  { _id: 4, minAccBal: 2300, maxAccBal: 2300 },
  { _id: 5, minAccBal: 2300, maxAccBal: 2300 },
  { _id: 2, minAccBal: 200, maxAccBal: 11200 }
]
myDB> exit
bmscece@bmscece-HP-Elite-Tower-800-G9-Desktop-PC:~$ mongoexport --host localhost --db myDB --collection CUsers --
type=csv --out /home/bmscece/o.txt --fields "Balance","Type"
2025-03-11T15:21:30.413+0530 connected to: mongodb://localhost/
2025-03-11T15:21:30.413+0530 exported 0 records
bmscece@bmscece-HP-Elite-Tower-800-G9-Desktop-PC:~$ mongoexport --host localhost --db myDB --collection Customers --
type=csv --out /home/bmscece/o.txt --fields "Balance","Type"
2025-03-11T15:21:47.812+0530 connected to: mongodb://localhost/
2025-03-11T15:21:47.814+0530 exported 6 records
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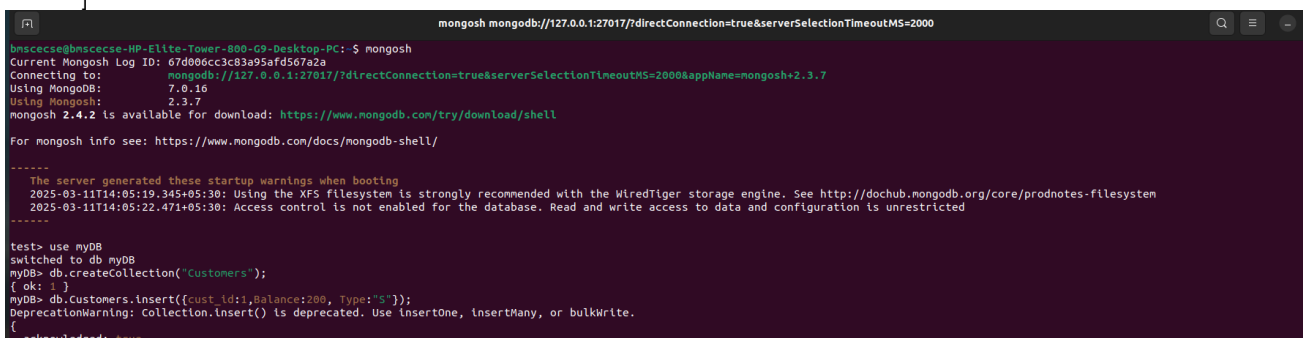
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unrestricted
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```
test> use myDB
switched to db myDB
myDB> db.Customers.drop()
true
myDB> exit
bmscecse@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ mongoimport --db myDB --collection newCust --type=csv --headerline -
-file /home/bmscecse/o/txt
2025-03-11T15:24:08.278+0530 Failed: open /home/bmscecse/o/txt: no such file or directory
2025-03-11T15:24:08.278+0530 0 document(s) imported successfully. 0 document(s) failed to import.
bmscecse@bmscecse-HP-Elite-Tower-800-G9-Desktop-PC:~$ mongoimport --db myDB --collection Customers --type=csv --
headerline --file /home/bmscecse/o.txt
2025-03-11T15:24:56.973+0530 connected to: mongodb://localhost/
2025-03-11T15:24:57.328+0530 6 document(s) imported successfully. 0 document(s) failed to import.
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```
test> use myDB
switched to db myDB
myDB> db.Customers.find()
[
  {
    _id: ObjectId('67d008706d2ac454920b0abf'),
    Balance: 11200,
    Type: 'Z'
  },
  {
    _id: ObjectId('67d008706d2ac454920b0ac0'),
    Balance: 200,
    Type: 'S'
  },
  {
    _id: ObjectId('67d008706d2ac454920b0ac1'),
    Balance: 2300,
    Type: 'Z'
  },
  {
    _id: ObjectId('67d008706d2ac454920b0ac2'),
    Balance: 2300,
    Type: 'Z'
  },
  {
    _id: ObjectId('67d008706d2ac454920b0ac3'),
    Balance: 200,
    Type: 'S'
  },
  {
    _id: ObjectId('67d008706d2ac454920b0ac4'),
    Balance: 2300,
    Type: 'S'
  }
]
```



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... { $group : { _id : "$cust_id",
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