MongoDB : Second practical

Microsoft Windows [Version 10.0.19045.6332]

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C:\Program Files\MongoDB\Server\8.2\bin>monogosh

'monogosh' is not recognized as an internal or external command,

operable program or batch file.

C:\Program Files\MongoDB\Server\8.2\bin>mongodb sh

'mongodb' is not recognized as an internal or external command,

operable program or batch file.

C:\Program Files\MongoDB\Server\8.2\bin>mongodb sh;

'mongodb' is not recognized as an internal or external command,

operable program or batch file.

C:\Program Files\MongoDB\Server\8.2\bin>mongosh;

Current Mongosh Log ID: 68e4b8754bb096dfc8cebea3

Connecting to: mongodb://127.0.0.1:27017/%3B?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.5.8

Using MongoDB: 8.2.0

Using Mongosh: 2.5.8

For mongosh info see: <https://www.mongodb.com/docs/mongodb-shell/>

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The server generated these startup warnings when booting

2025-09-30T15:15:33.304+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted

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;> show dbs;

admin 40.00 KiB

college 140.00 KiB

company 68.00 KiB

config 72.00 KiB

cricket 192.00 KiB

demo 272.00 KiB

demoexample 72.00 KiB

f\_mong 8.00 KiB

local 72.00 KiB

test 144.00 KiB

;> use bank;

switched to db bank

bank> db.createCollection('customer');

{ ok: 1 }

bank> db.customer.insertOne({\_id:1101,name:'zoro',bal:50000,bank:'SBI',location:'BMT'});

{ acknowledged: true, insertedId: 1101 }

bank> db.customer.insertOne({\_id:1102,name:'Luffy',bal:250000,bank:'Canra',location:'Pune'});

{ acknowledged: true, insertedId: 1102 }

bank> db.customer.insertOne({\_id:1102,name:'Shanks',bal:550000,bank:'Axis',location:'Pune'})

MongoServerError: E11000 duplicate key error collection: bank.customer index: \_id\_ dup key: { \_id: 1102 }

bank> db.customer.insertOne({\_id:1103,name:'Shanks',bal:550000,bank:'Axis',location:'Pune'})

{ acknowledged: true, insertedId: 1103 }

bank> db.customer.count();

DeprecationWarning: Collection.count() is deprecated. Use countDocuments or estimatedDocumentCount.

3

bank> db.customer.aggergate([{$group:{\_id:null,total\_bal:{$sum:'$bal'}}}];

Uncaught:

SyntaxError: Unexpected token, expected "," (1:67)

> 1 | db.customer.aggergate([{$group:{\_id:null,total\_bal:{$sum:'$bal'}}}];

| ^

2 |

bank> db.customer.aggergate([{$group:{\_id:null,total\_bal:{$sum:'$bal'}}});

Uncaught:

SyntaxError: Unexpected token, expected "," (1:66)

> 1 | db.customer.aggergate([{$group:{\_id:null,total\_bal:{$sum:'$bal'}}});

| ^

2 |

bank> db.customer.aggergate([{$group:{\_id:null,total\_bal:{$sum:'$bal'}}}]);

TypeError: db.customer.aggergate is not a function

bank> db.customer.aggregate([{$group:{\_id:null,total\_bal:{$sum:'$bal'}}}]);

[ { \_id: null, total\_bal: 850000 } ]

bank> db.customer.aggregate([{$group:{\_id:null,total\_bal:{$min:'$bal'}}}]);

[ { \_id: null, total\_bal: 50000 } ]

bank> db.customer.aggregate([{$group:{\_id:null,total\_bal:{$max:'$bal'}}}]);

[ { \_id: null, total\_bal: 550000 } ]

bank> db.customer.aggregate([{$group:{\_id:null,total\_bal:{$avg:'$bal'}}}]);

[ { \_id: null, total\_bal: 283333.3333333333 } ]

bank> db.customer.aggregate([{$group:{\_id:null,total\_bal:{$push:'$bal'}}}]);

[ { \_id: null, total\_bal: [ 50000, 250000, 550000 ] } ]

bank> db.customer.aggregate([{$group:{\_id:null,total\_bal:{$addToset:'$bal'}}}]);

MongoServerError[Location15952]: unknown group operator '$addToset'

bank> db.customer.aggregate([{$group:{\_id:null,total\_bal:{$addToSet:'$bal'}}}]);

[ { \_id: null, total\_bal: [ 250000, 50000, 550000 ] } ]

bank> db.customer.aggregate([{$group:{\_id:null,total\_bal:{$first:'$bal'}}}]);

[ { \_id: null, total\_bal: 50000 } ]

bank> db.customer.aggregate([{$group:{\_id:null,total\_bal:{$last:'$bal'}}}]);

[ { \_id: null, total\_bal: 550000 } ]

bank> db.customer.aggregate([{$group:{\_id:'bank',total\_bal:{$sum:'$bal'}}}]);

[ { \_id: 'bank', total\_bal: 850000 } ]

bank> db.customer.find().sort({'c\_name'});

Uncaught:

SyntaxError: Unexpected token (1:33)

> 1 | db.customer.find().sort({'c\_name'});

| ^

2 |

bank> db.customer.find().sort({'c\_name:1'});

Uncaught:

SyntaxError: Unexpected token (1:35)

> 1 | db.customer.find().sort({'c\_name:1'});

| ^

2 |

bank> db.customer.find().sort({'c\_name':1});

[

{ \_id: 1101, name: 'zoro', bal: 50000, bank: 'SBI', location: 'BMT' },

{

\_id: 1102,

name: 'Luffy',

bal: 250000,

bank: 'Canra',

location: 'Pune'

},

{

\_id: 1103,

name: 'Shanks',

bal: 550000,

bank: 'Axis',

location: 'Pune'

}

]

bank> db.customer.createIndex({customer id:1}{Sparse:text});

Uncaught:

SyntaxError: Unexpected token, expected "," (1:34)

> 1 | db.customer.createIndex({customer id:1}{Sparse:text});

| ^

2 |

bank> db.customer.createIndex({customer id:1};{Sparse:text});

Uncaught:

SyntaxError: Unexpected token, expected "," (1:34)

> 1 | db.customer.createIndex({customer id:1};{Sparse:text});

| ^

2 |

bank> db.customer.createIndex({customer id:1},{Sparse:text});

bank> db.customer.createIndex({customer\_id:1},{Sparse:true});

customer\_id\_1Unexpected token, expected "," (1:34)

bank>

> 1 | db.customer.createIndex({customer id:1},{Sparse:text});

bank> db.customer.createIndex({customer\_id:1},{Sparse:true});

customer\_id\_1

bank> db.customer.createIndex({customer\_id:1},{Sparse:true});

customer\_id\_1

bank> db.customer.getIndex();

TypeError: db.customer.getIndex is not a function

bank> db.customer.getIndexs();

TypeError: db.customer.getIndexs is not a function

bank> db.customer.getIndexes();

[

{ v: 2, key: { \_id: 1 }, name: '\_id\_' },

{ v: 2, key: { customer\_id: 1 }, name: 'customer\_id\_1' }