PS C:\Users\Admin\Desktop\practices> mongosh

Current Mongosh Log ID: 664dbe9f12e1d5af2f16c9b4

Connecting to: mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2.2.3

Using MongoDB: 7.0.8

Using Mongosh: 2.2.3

mongosh 2.2.5 is available for download: https://www.mongodb.com/try/download/shell

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

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The server generated these startup warnings when booting

2024-05-02T11:37:38.364+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>

test> show dbs //TO SEE THE DATABASES

admin 40.00 KiB

config 72.00 KiB

local 72.00 KiB

test> use appdb //Create databases

switched to db appdb

appdb> show dbs

admin 40.00 KiB

config 72.00 KiB

local 72.00 KiB

appdb> db.users.insertOne({name:"Kamal"}) // insertion one

{

acknowledged: true,

insertedId: ObjectId('664dc2f912e1d5af2f16c9b5') //Object Id is created after insertion

}

appdb> show dbs

admin 40.00 KiB

appdb 8.00 KiB

config 108.00 KiB

local 72.00 KiB

appdb> db.users.find() //find the data

[ { \_id: ObjectId('664dc2f912e1d5af2f16c9b5'), name: 'Kamal' } ]

appdb> db.users.insertOne({name:"kalai",age:21,address:{Street:"kamarajar nagar",pincode:605602},hobbies:["coding","cooking]})

Uncaught:

SyntaxError: Unterminated string constant. (1:108)

> 1 | db.users.insertOne({name:"kalai",age:21,address:{Street:"kamarajar nagar",pincode:605602},hobbies:["coding","cooking]})

| ^

2 |

appdb> db.users.insertOne({name:"kalai",age:21,address:(Street:Kamarajar Street,Pincode:605602},hobbies:["coding","cooking","playing"]})

Uncaught:

SyntaxError: Unexpected token, expected "," (1:55)

> 1 | db.users.insertOne({name:"kalai",age:21,address:(Street:Kamarajar Street,Pincode:605602},hobbies:["coding","cooking","playing"]})

| ^

2 |

appdb> db.users.insertOne({name:"kalai",age:21,address:(Street:"Kamarajar Street",Pincode:605602},hobbies:["coding","cooking","playing"]})"

Uncaught:

SyntaxError: Unexpected token, expected "," (1:55)

> 1 | db.users.insertOne({name:"kalai",age:21,address:(Street:"Kamarajar Street",Pincode:605602},hobbies:["coding","cooking","playing"]})"

| ^

2 |

appdb> db.users.insertOne({name:"Kalai",age:21,address:{Street:"Kamarajar Street",pincode:605601},hobbies:["coding","cooking"]})

{

acknowledged: true,

insertedId: ObjectId('664dc5eb12e1d5af2f16c9b6')

}

appdb> db.users.find

[Function: find] AsyncFunction {

returnsPromise: true,

apiVersions: [ 1, Infinity ],

returnType: 'Cursor',

serverVersions: [ '0.0.0', '999.999.999' ],

topologies: [ 'ReplSet', 'Sharded', 'LoadBalanced', 'Standalone' ],

deprecated: false,

platforms: [ 'Compass', 'Browser', 'CLI' ],

isDirectShellCommand: false,

appdb> db.users.insertMany([{name:"kamalhaasan"},{name:"Rajinikanth"},{name:"Vijayakanth"}])

{

acknowledged: true,

insertedIds: {

'0': ObjectId('664dc6f112e1d5af2f16c9b7'),

'1': ObjectId('664dc6f112e1d5af2f16c9b8'),

'2': ObjectId('664dc6f112e1d5af2f16c9b9')

}

}

appdb> db.users.find()

[

{ \_id: ObjectId('664dc2f912e1d5af2f16c9b5'), name: 'Kamal' },

{

\_id: ObjectId('664dc5eb12e1d5af2f16c9b6'),

name: 'Kalai',

age: 21,

address: { Street: 'Kamarajar Street', pincode: 605601 },

appdb> db.users.find()

[

{ \_id: ObjectId('664dc2f912e1d5af2f16c9b5'), name: 'Kamal' },

{

\_id: ObjectId('664dc5eb12e1d5af2f16c9b6'),

name: 'Kalai',

age: 21,

address: { Street: 'Kamarajar Street', pincode: 605601 },

hobbies: [ 'coding', 'cooking' ]

},

{ \_id: ObjectId('664dc6f112e1d5af2f16c9b7'), name: 'kamalhaasan' },

{ \_id: ObjectId('664dc6f112e1d5af2f16c9b8'), name: 'Rajinikanth' },

{ \_id: ObjectId('664dc6f112e1d5af2f16c9b9'), name: 'Vijayakanth' },

appdb> db.users.find().limit(2)

[

{ \_id: ObjectId('664dc2f912e1d5af2f16c9b5'), name: 'Kamal' },

{

\_id: ObjectId('664dc5eb12e1d5af2f16c9b6'),

name: 'Kalai',

age: 21,

address: { Street: 'Kamarajar Street', pincode: 605601 },

hobbies: [ 'coding', 'cooking' ]

}

]

appdb> db.users.find().sort({name:1}).limit(3) //Sorting

[

{

\_id: ObjectId('664dc5eb12e1d5af2f16c9b6'),

name: 'Kalai',

age: 21,

address: { Street: 'Kamarajar Street', pincode: 605601 },

hobbies: [ 'coding', 'cooking' ]

},

{ \_id: ObjectId('664dc2f912e1d5af2f16c9b5'), name: 'Kamal' },

{

\_id: ObjectId('664dc93912e1d5af2f16c9ba'),

name: 'Kathiravan',

age: 22,

hobbies: [ 'MobileUsing', 'Roaming' ],

address: { Street: 'tvk street', pincode: 604602 }

}

]

appdb> db.users.find().sort({name:-1}).limit(3)

[

{ \_id: ObjectId('664dc6f112e1d5af2f16c9b7'), name: 'kamalhaasan' },

{

\_id: ObjectId('664dc93912e1d5af2f16c9bb'),

name: 'jayashree',

age: 22,

hobbies: [ 'Coder', 'Mobileuser' ],

address: { Street: 'tmkstree', pincode: 690787 }

},

{ \_id: ObjectId('664dc6f112e1d5af2f16c9b9'), name: 'Vijayakanth' }

]

appdb> db.users.find().sort({age:1,name:-1}).limit(3)

[

{ \_id: ObjectId('664dc6f112e1d5af2f16c9b7'), name: 'kamalhaasan' },

{ \_id: ObjectId('664dc6f112e1d5af2f16c9b9'), name: 'Vijayakanth' },

{ \_id: ObjectId('664dc6f112e1d5af2f16c9b8'), name: 'Rajinikanth' }

]

appdb> db.users.find().sort({age:1,name:1}).limit(3) //sort limit

[

{ \_id: ObjectId('664dc2f912e1d5af2f16c9b5'), name: 'Kamal' },

{ \_id: ObjectId('664dc6f112e1d5af2f16c9b8'), name: 'Rajinikanth' },

{ \_id: ObjectId('664dc6f112e1d5af2f16c9b9'), name: 'Vijayakanth' }

]

appdb> db.users.find().sort({age:-1,name:1}).limit(3) //age printed from back index-1

[

{

\_id: ObjectId('664dc93912e1d5af2f16c9ba'),

name: 'Kathiravan',

age: 22,

hobbies: [ 'MobileUsing', 'Roaming' ],

address: { Street: 'tvk street', pincode: 604602 }

},

appdb> db.users.find().skip(1).limit(2)

[

{

\_id: ObjectId('664dc5eb12e1d5af2f16c9b6'),

name: 'Kalai',

age: 21,

address: { Street: 'Kamarajar Street', pincode: 605601 },

hobbies: [ 'coding', 'cooking' ]

},

{ \_id: ObjectId('664dc6f112e1d5af2f16c9b7'), name: 'kamalhaasan' }

]

appdb> db.users.find(name:"kalai")

Uncaught:

SyntaxError: Unexpected token, expected "," (1:18)

> 1 | db.users.find(name:"kalai")

| ^

2 |

appdb> db.users.find({name:"kalai"})

appdb> db.users.find({name:"Kalai"})

[

{

\_id: ObjectId('664dc5eb12e1d5af2f16c9b6'),

name: 'Kalai',

appdb> db.users.find({name:"Kalai"},{name:1,age:1}

...

appdb> db.users.find({name:"Kalai"},{name:1,age:1})

[

{ \_id: ObjectId('664dc5eb12e1d5af2f16c9b6'), name: 'Kalai', age: 21 }

]

appdb> db.users.find({ name: "Kalai" }, { name: 1, age: 1,\_id:0 })

[ { name: 'Kalai', age: 21 } ]

appdb> db.users.find({ name: "Kalai" }, { age: 0})

[

{

\_id: ObjectId('664dc5eb12e1d5af2f16c9b6'),

name: 'Kalai',

address: { Street: 'Kamarajar Street', pincode: 605601 },

hobbies: [ 'coding', 'cooking' ]

}

]

appdb> db.users.find({ name: "Kalai" }, { age: 0,\_id:0})

[

{

name: 'Kalai',

address: { Street: 'Kamarajar Street', pincode: 605601 },

hobbies: [ 'coding', 'cooking' ]

}

]

appdb> db.users.insertMany([{name:"geetha",age:22,hobbies:["MobileUsing","Roaming"],address:{Street:'tvk street',pincode:604602}},{name:"jayashree",age:22,hobbies:["Coder","Mobileuser"],address:{Street:'tmkstree',pincode:690787}}])

{

acknowledged: true,

insertedIds: {

'0': ObjectId('664dcf2412e1d5af2f16c9bc'),

'1': ObjectId('664dcf2412e1d5af2f16c9bd')

}

}

appdb> db.users.insertMany([{name:"Sita",age:22,hobbies:["MobileUsing","Roaming"],address:{Street:'tvk street',pincode:604602}},{name:"jayashree",age:22,hobbies:["Coder","Mobileuser"],address:{Street:'tmkstree',pincode:690787}}])

{

acknowledged: true,

insertedIds: {

'0': ObjectId('664dcf9612e1d5af2f16c9be'),

'1': ObjectId('664dcf9612e1d5af2f16c9bf')

}

}

appdb> db.users.find()

[

{ \_id: ObjectId('664dc2f912e1d5af2f16c9b5'), name: 'Kamal' },

{

\_id: ObjectId('664dc5eb12e1d5af2f16c9b6'),

name: 'Kalai',

age: 21,

address: { Street: 'Kamarajar Street', pincode: 605601 },

hobbies: [ 'coding', 'cooking' ]

},

{ \_id: ObjectId('664dc6f112e1d5af2f16c9b7'), name: 'kamalhaasan' },

{ \_id: ObjectId('664dc6f112e1d5af2f16c9b8'), name: 'Rajinikanth' },

{ \_id: ObjectId('664dc6f112e1d5af2f16c9b9'), name: 'Vijayakanth' },

{

\_id: ObjectId('664dc93912e1d5af2f16c9ba'),

name: 'Kathiravan',

age: 22,

hobbies: [ 'MobileUsing', 'Roaming' ],

address: { Street: 'tvk street', pincode: 604602 }

},

{

\_id: ObjectId('664dc93912e1d5af2f16c9bb'),

name: 'jayashree',

age: 22,

hobbies: [ 'Coder', 'Mobileuser' ],

address: { Street: 'tmkstree', pincode: 690787 }

},

{

\_id: ObjectId('664dcf2412e1d5af2f16c9bc'),

name: 'geetha',

age: 22,

hobbies: [ 'MobileUsing', 'Roaming' ],

address: { Street: 'tvk street', pincode: 604602 }

},

{

\_id: ObjectId('664dcf2412e1d5af2f16c9bd'),

name: 'jayashree',

age: 22,

hobbies: [ 'Coder', 'Mobileuser' ],

address: { Street: 'tmkstree', pincode: 690787 }

},

{

\_id: ObjectId('664dcf9612e1d5af2f16c9be'),

name: 'Sita',

age: 22,

hobbies: [ 'MobileUsing', 'Roaming' ],

address: { Street: 'tvk street', pincode: 604602 }

},

{

\_id: ObjectId('664dcf9612e1d5af2f16c9bf'),

name: 'jayashree',

age: 22,

hobbies: [ 'Coder', 'Mobileuser' ],

address: { Street: 'tmkstree', pincode: 690787 }

}

]

appdb>