```
 Microsoft Windows [Version 10.0.22631.4890]

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C:\Users\yamun>mongosh

Current Mongosh Log ID: 6854dff84ab1ebc964748a5e

Connecting
to:       mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&ap
pName=mongosh+2.5.3

Using MongoDB:       7.0.21

Using Mongosh:       2.5.3


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


------

   The server generated these startup warnings when booting

   2025-06-19T22:47:43.894+05:30: Access control is not enabled for the database. Read and write
access to data and configuration is unrestricted

------


test> show dbs

admin     40.00 KiB

config    84.00 KiB

employee  40.00 KiB

library   40.00 KiB

local     40.00 KiB

office    72.00 KiB

shop      72.00 KiB

test> use employee

switched to db employee

employee> use office

switched to db office

office> db.employee.find()
```

```
[
  {
    _id: ObjectId('685456b3d144c6dde8748a63'),
    name: 'Rahul',
    details: { position: 'Java developer', salary: 60000 }
  },
  {
    _id: ObjectId('68546385d144c6dde8748a69'),
    name: 'Tameem',
    details: { position: 'Python Developer', salary: 80000 }
  },
  {
    _id: ObjectId('68546385d144c6dde8748a6a'),
    name: 'Babu',
    details: { position: 'UI Designer', salary: 30000 }
  }
]
office> db.employee.updateOne({name:"Rahul"},{$set:{name:"Senthil vel"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
office> db.employee.find()
[
  {
    _id: ObjectId('685456b3d144c6dde8748a63'),
    name: 'Senthil vel',
    details: { position: 'Java developer', salary: 60000 }
```

```
  },
  {
    _id: ObjectId('68546385d144c6dde8748a69'),
    name: 'Tameem',
    details: { position: 'Python Developer', salary: 80000 }
  },
  {
    _id: ObjectId('68546385d144c6dde8748a6a'),
    name: 'Babu',
    details: { position: 'UI Designer', salary: 30000 }
  }
]
office> use library
switched to db library
library> db.library.find()

library> show dbs
admin     40.00 KiB
config    96.00 KiB
employee  40.00 KiB
library   40.00 KiB
local     40.00 KiB
office    72.00 KiB
shop      72.00 KiB
library> use office
switched to db office
office> db.insertMany([
...
...
...
... }
```

Uncaught:

SyntaxError: Unexpected token (5:0)

  3 |

  4 |

> 5 | }

   | ^

  6 |


```
office> db.employee.find()
[
 {
   _id: ObjectId('685456b3d144c6dde8748a63'),
   name: 'Senthil vel',
   details: { position: 'Java developer', salary: 60000 }
 },
 {
   _id: ObjectId('68546385d144c6dde8748a69'),
   name: 'Tameem',
   details: { position: 'Python Developer', salary: 80000 }
 },
 {
   _id: ObjectId('68546385d144c6dde8748a6a'),
   name: 'Babu',
   details: { position: 'UI Designer', salary: 30000 }
 }
]
office> db.employee.find({name:'Tameem'})
[
 {
   _id: ObjectId('68546385d144c6dde8748a69'),
```

```
    name: 'Tameem',

    details: { position: 'Python Developer', salary: 80000 }

  }

]
office> console.log('JVL code')

JVL code


office> db.employee.find().forEach((data)=>{print(data)})

{

  _id: ObjectId('685456b3d144c6dde8748a63'),

  name: 'Senthil vel',

  details: { position: 'Java developer', salary: 60000 }

}

{

  _id: ObjectId('68546385d144c6dde8748a69'),

  name: 'Tameem',

  details: { position: 'Python Developer', salary: 80000 }

}

{

  _id: ObjectId('68546385d144c6dde8748a6a'),

  name: 'Babu',

  details: { position: 'UI Designer', salary: 30000 }

}


office> db.employee.insertMany([

... {name:'Senthil vel',

... 'age':22,

... 'company':'SCH infotech';

Uncaught:

SyntaxError: Unexpected token, expected "," (4:24)
```

```
 2 | {name:'Senthil vel',
 3 | 'age':22,
> 4 | 'company':'SCH infotech';
   |                ^
 5 |
```

office> db.employee.insertMany([

... ... {name:'Senthil vel',

... ... 'age':22,

... ... 'company':'SCH infotech',

Uncaught:

SyntaxError: Unexpected token, expected "," (3:9)

```
 1 |  db.employee.insertMany([
 2 | ... {name:'Senthil vel',
> 3 | ... 'age':22,
   |        ^
 4 | ... 'company':'SCH infotech',
 5 |
```

office> db.employee.insertMany([

... {

... 'name':'Senthil vel',

... 'age':22,

... 'company':'SCH infotech',

... 'email':'senthilv979@gmail.com',

... 'phone no':+

... },

Uncaught:

SyntaxError: Unexpected token (8:0)

```
 6 | 'email':'senthilv979@gmail.com',

 7 | 'phone no':+

> 8 | },

   | ^

 9 |
```

office> db.employee.insertMany([{ 'name':'Senthil vel', 'age':22, 'company':'SCH infotech', 'email':'senthilv979@gmail.com', 'phone no':'9025562729'},

... {'name':'Dinesh', 'age':22, 'company':'SCH infotech', 'email':'dinesh@gmail.com', 'phone no':'8209828992'},

... {'name':'Mukesh', 'age':22, 'company':'SCH infotech', 'email':'mukesh@gamil.com', 'phone no':'8290739288'},

... {'name':'Amuthu','age':23,'company':'SCH infotech','email':'amuthu@gmail.com', 'phone no':'8928288989'}])

{

  acknowledged: true,

  insertedIds: {

    '0': ObjectId('6854ff3b4ab1ebc964748a5f'),

    '1': ObjectId('6854ff3b4ab1ebc964748a60'),

    '2': ObjectId('6854ff3b4ab1ebc964748a61'),

    '3': ObjectId('6854ff3b4ab1ebc964748a62')

  }

}

office> db.employee.find()

[

 {

   _id: ObjectId('685456b3d144c6dde8748a63'),

   name: 'Senthil vel',

   details: { position: 'Java developer', salary: 60000 }

 },

 {

   _id: ObjectId('68546385d144c6dde8748a69'),

```
    name: 'Tameem',
    details: { position: 'Python Developer', salary: 80000 }
  },
  {
    _id: ObjectId('68546385d144c6dde8748a6a'),
    name: 'Babu',
    details: { position: 'UI Designer', salary: 30000 }
  },
  {
    _id: ObjectId('6854ff3b4ab1ebc964748a5f'),
    name: 'Senthil vel',
    age: 22,
    company: 'SCH infotech',
    email: 'senthilv979@gmail.com',
    'phone no': '9025562729'
  },
  {
    _id: ObjectId('6854ff3b4ab1ebc964748a60'),
    name: 'Dinesh',
    age: 22,
    company: 'SCH infotech',
    email: 'dinesh@gmail.com',
    'phone no': '8209828992'
  },
  {
    _id: ObjectId('6854ff3b4ab1ebc964748a61'),
    name: 'Mukesh',
    age: 22,
    company: 'SCH infotech',
    email: 'mukesh@gamil.com',
    'phone no': '8290739288'
```

```
  },
  {
    _id: ObjectId('6854ff3b4ab1ebc964748a62'),
    name: 'Amuthu',
    age: 23,
    company: 'SCH infotech',
    email: 'amuthu@gmail.com',
    'phone no': '8928288989'
  }
]
office> db.employee.find({},{name:1})
[
  { _id: ObjectId('685456b3d144c6dde8748a63'), name: 'Senthil vel' },
  { _id: ObjectId('68546385d144c6dde8748a69'), name: 'Tameem' },
  { _id: ObjectId('68546385d144c6dde8748a6a'), name: 'Babu' },
  { _id: ObjectId('6854ff3b4ab1ebc964748a5f'), name: 'Senthil vel' },
  { _id: ObjectId('6854ff3b4ab1ebc964748a60'), name: 'Dinesh' },
  { _id: ObjectId('6854ff3b4ab1ebc964748a61'), name: 'Mukesh' },
  { _id: ObjectId('6854ff3b4ab1ebc964748a62'), name: 'Amuthu' }
]
office> db.employee.find({},{name:1, _id:0})
[
  { name: 'Senthil vel' },
  { name: 'Tameem' },
  { name: 'Babu' },
  { name: 'Senthil vel' },
  { name: 'Dinesh' },
  { name: 'Mukesh' },
  { name: 'Amuthu' }
]
office> db.employee.find({},{name:1, _id:0, is_employee:'true'})
```

```
[
  { name: 'Senthil vel', is_employee: 'true' },

  { name: 'Tameem', is_employee: 'true' },

  { name: 'Babu', is_employee: 'true' },

  { name: 'Senthil vel', is_employee: 'true' },

  { name: 'Dinesh', is_employee: 'true' },

  { name: 'Mukesh', is_employee: 'true' },

  { name: 'Amuthu', is_employee: 'true' }
]
office> db.employee.find().limit(2)

[
  {
    _id: ObjectId('685456b3d144c6dde8748a63'),

    name: 'Senthil vel',

    details: { position: 'Java developer', salary: 60000 }
  },
  {
    _id: ObjectId('68546385d144c6dde8748a69'),

    name: 'Tameem',

    details: { position: 'Python Developer', salary: 80000 }
  }
]
office> db.employee.find().skip(5)

[
  {
    _id: ObjectId('6854ff3b4ab1ebc964748a61'),

    name: 'Mukesh',

    age: 22,

    company: 'SCH infotech',

    email: 'mukesh@gamil.com',

    'phone no': '8290739288'
```

```
    },
    {
      _id: ObjectId('6854ff3b4ab1ebc964748a62'),
      name: 'Amuthu',
      age: 23,
      company: 'SCH infotech',
      email: 'amuthu@gmail.com',
      'phone no': '8928288989'
    }
]
office> db.employee.find().sort({name:1})
[
  {
    _id: ObjectId('6854ff3b4ab1ebc964748a62'),
    name: 'Amuthu',
    age: 23,
    company: 'SCH infotech',
    email: 'amuthu@gmail.com',
    'phone no': '8928288989'
  },
  {
    _id: ObjectId('68546385d144c6dde8748a6a'),
    name: 'Babu',
    details: { position: 'UI Designer', salary: 30000 }
  },
  {
    _id: ObjectId('6854ff3b4ab1ebc964748a60'),
    name: 'Dinesh',
    age: 22,
    company: 'SCH infotech',
    email: 'dinesh@gmail.com',
```

```
    'phone no': '8209828992'
  },
  {
    _id: ObjectId('6854ff3b4ab1ebc964748a61'),
    name: 'Mukesh',
    age: 22,
    company: 'SCH infotech',
    email: 'mukesh@gamil.com',
    'phone no': '8290739288'
  },
  {
    _id: ObjectId('685456b3d144c6dde8748a63'),
    name: 'Senthil vel',
    details: { position: 'Java developer', salary: 60000 }
  },
  {
    _id: ObjectId('6854ff3b4ab1ebc964748a5f'),
    name: 'Senthil vel',
    age: 22,
    company: 'SCH infotech',
    email: 'senthilv979@gmail.com',
    'phone no': '9025562729'
  },
  {
    _id: ObjectId('68546385d144c6dde8748a69'),
    name: 'Tameem',
    details: { position: 'Python Developer', salary: 80000 }
  }
]
office> db.employee.find().sort({name:-1})
[
```

```
{
  _id: ObjectId('68546385d144c6dde8748a69'),
  name: 'Tameem',
  details: { position: 'Python Developer', salary: 80000 }
},
{
  _id: ObjectId('685456b3d144c6dde8748a63'),
  name: 'Senthil vel',
  details: { position: 'Java developer', salary: 60000 }
},
{
  _id: ObjectId('6854ff3b4ab1ebc964748a5f'),
  name: 'Senthil vel',
  age: 22,
  company: 'SCH infotech',
  email: 'senthilv979@gmail.com',
  'phone no': '9025562729'
},
{
  _id: ObjectId('6854ff3b4ab1ebc964748a61'),
  name: 'Mukesh',
  age: 22,
  company: 'SCH infotech',
  email: 'mukesh@gamil.com',
  'phone no': '8290739288'
},
{
  _id: ObjectId('6854ff3b4ab1ebc964748a60'),
  name: 'Dinesh',
  age: 22,
  company: 'SCH infotech',
```

```
    email: 'dinesh@gmail.com',

    'phone no': '8209828992'

  },

  {

    _id: ObjectId('68546385d144c6dde8748a6a'),

    name: 'Babu',

    details: { position: 'UI Designer', salary: 30000 }

  },

  {

    _id: ObjectId('6854ff3b4ab1ebc964748a62'),

    name: 'Amuthu',

    age: 23,

    company: 'SCH infotech',

    email: 'amuthu@gmail.com',

    'phone no': '8928288989'

  }

]
office> db.employee.find({email:{$eq:'senthilv979@gmail.com'}})

[

  {

    _id: ObjectId('6854ff3b4ab1ebc964748a5f'),

    name: 'Senthil vel',

    age: 22,

    company: 'SCH infotech',

    email: 'senthilv979@gmail.com',

    'phone no': '9025562729'

  }

]
office> db.employee.find({email:{$ne:'senthilv979@gmail.com'}})

[

  {
```

    _id: ObjectId('685456b3d144c6dde8748a63'),

    name: 'Senthil vel',

    details: { position: 'Java developer', salary: 60000 }

},

{

    _id: ObjectId('68546385d144c6dde8748a69'),

    name: 'Tameem',

    details: { position: 'Python Developer', salary: 80000 }

},

{

    _id: ObjectId('68546385d144c6dde8748a6a'),

    name: 'Babu',

    details: { position: 'UI Designer', salary: 30000 }

},

{

    _id: ObjectId('6854ff3b4ab1ebc964748a60'),

    name: 'Dinesh',

    age: 22,

    company: 'SCH infotech',

    email: 'dinesh@gmail.com',

    'phone no': '8209828992'

},

{

    _id: ObjectId('6854ff3b4ab1ebc964748a61'),

    name: 'Mukesh',

    age: 22,

    company: 'SCH infotech',

    email: 'mukesh@gamil.com',

    'phone no': '8290739288'

},

{

```
    _id: ObjectId('6854ff3b4ab1ebc964748a62'),

    name: 'Amuthu',

    age: 23,

    company: 'SCH infotech',

    email: 'amuthu@gmail.com',

    'phone no': '8928288989'

  }

]

office> db.employee.find({age : {$gt : 22}})

[

  {

    _id: ObjectId('6854ff3b4ab1ebc964748a62'),

    name: 'Amuthu',

    age: 23,

    company: 'SCH infotech',

    email: 'amuthu@gmail.com',

    'phone no': '8928288989'

  }

]

office> db.employee.find({age : {$gte : 22}})

[

  {

    _id: ObjectId('6854ff3b4ab1ebc964748a5f'),

    name: 'Senthil vel',

    age: 22,

    company: 'SCH infotech',

    email: 'senthilv979@gmail.com',

    'phone no': '9025562729'

  },

  {

    _id: ObjectId('6854ff3b4ab1ebc964748a60'),
```

```
    name: 'Dinesh',

    age: 22,

    company: 'SCH infotech',

    email: 'dinesh@gmail.com',

    'phone no': '8209828992'

  },

  {

    _id: ObjectId('6854ff3b4ab1ebc964748a61'),

    name: 'Mukesh',

    age: 22,

    company: 'SCH infotech',

    email: 'mukesh@gamil.com',

    'phone no': '8290739288'

  },

  {

    _id: ObjectId('6854ff3b4ab1ebc964748a62'),

    name: 'Amuthu',

    age: 23,

    company: 'SCH infotech',

    email: 'amuthu@gmail.com',

    'phone no': '8928288989'

  }

]
office> db.employee.find({age : {$lt : 22}})


office> db.employee.find({age : {$lte : 22}})

[

  {

    _id: ObjectId('6854ff3b4ab1ebc964748a5f'),

    name: 'Senthil vel',

    age: 22,
```

```
    company: 'SCH infotech',

    email: 'senthilv979@gmail.com',

    'phone no': '9025562729'

  },

  {

    _id: ObjectId('6854ff3b4ab1ebc964748a60'),

    name: 'Dinesh',

    age: 22,

    company: 'SCH infotech',

    email: 'dinesh@gmail.com',

    'phone no': '8209828992'

  },

  {

    _id: ObjectId('6854ff3b4ab1ebc964748a61'),

    name: 'Mukesh',

    age: 22,

    company: 'SCH infotech',

    email: 'mukesh@gamil.com',

    'phone no': '8290739288'

  }

]

office> db.employee.find({age : {$in:[22, 23, 30]}})

[

  {

    _id: ObjectId('6854ff3b4ab1ebc964748a5f'),

    name: 'Senthil vel',

    age: 22,

    company: 'SCH infotech',

    email: 'senthilv979@gmail.com',

    'phone no': '9025562729'

  },
```

```
  {
    _id: ObjectId('6854ff3b4ab1ebc964748a60'),
    name: 'Dinesh',
    age: 22,
    company: 'SCH infotech',
    email: 'dinesh@gmail.com',
    'phone no': '8209828992'
  },
  {
    _id: ObjectId('6854ff3b4ab1ebc964748a61'),
    name: 'Mukesh',
    age: 22,
    company: 'SCH infotech',
    email: 'mukesh@gamil.com',
    'phone no': '8290739288'
  },
  {
    _id: ObjectId('6854ff3b4ab1ebc964748a62'),
    name: 'Amuthu',
    age: 23,
    company: 'SCH infotech',
    email: 'amuthu@gmail.com',
    'phone no': '8928288989'
  }
]
office> db.employee.find({$and:[{])
Uncaught:
SyntaxError: Unexpected token (1:25)

> 1 | db.employee.find({$and:[{])
    |                         ^
```

```
 2 |
```

office> db.employee.find({$and:[{email:{$eq:'senthilv979@gmail.com'}},{age:{$eq:22}}])

Uncaught:

SyntaxError: Unexpected token, expected "," (1:77)

```
> 1 | db.employee.find({$and:[{email:{$eq:'senthilv979@gmail.com'}},{age:{$eq:22}}])
    |                                                             ^
  2 |
```

office> db.employee.find({$and:[{email:{$eq:'senthilv979@gmail.com'}},{age:{$eq:22}}]})

```
[
  {
    _id: ObjectId('6854ff3b4ab1ebc964748a5f'),
    name: 'Senthil vel',
    age: 22,
    company: 'SCH infotech',
    email: 'senthilv979@gmail.com',
    'phone no': '9025562729'
  }
]
```

office>
db.employee.find({$or:[{name:{$eq:'senthilv979@gmail.com'}},{email:{$eq:'senthilv979@gmail.com'}}]})

```
[
  {
    _id: ObjectId('6854ff3b4ab1ebc964748a5f'),
    name: 'Senthil vel',
    age: 22,
    company: 'SCH infotech',
    email: 'senthilv979@gmail.com',
    'phone no': '9025562729'
```

```
  }
]
office>
db.employee.find({$or:[{name:{$eq:'senthilv979@gmail.com'}},{email:{$eq:'senthilv979@gmil.com'}}]})

office> db.employee.find({name:{$regex:'^S'}})
[
 {
   _id: ObjectId('685456b3d144c6dde8748a63'),
   name: 'Senthil vel',
   details: { position: 'Java developer', salary: 60000 }
 },
 {
   _id: ObjectId('6854ff3b4ab1ebc964748a5f'),
   name: 'Senthil vel',
   age: 22,
   company: 'SCH infotech',
   email: 'senthilv979@gmail.com',
   'phone no': '9025562729'
 }
]
office> db.employee.find({name:{$regex:'^A'}})
[
 {
   _id: ObjectId('6854ff3b4ab1ebc964748a62'),
   name: 'Amuthu',
   age: 23,
   company: 'SCH infotech',
   email: 'amuthu@gmail.com',
   'phone no': '8928288989'
 }
```

```
]
office> db.employee.find({name:{$regex:'^a', $options:'i'}})
[
 {
   _id: ObjectId('6854ff3b4ab1ebc964748a62'),
   name: 'Amuthu',
   age: 23,
   company: 'SCH infotech',
   email: 'amuthu@gmail.com',
   'phone no': '8928288989'
 }
]
office> db.employee.find({name:{$regex:'^d', $options:'i'}})
[
 {
   _id: ObjectId('6854ff3b4ab1ebc964748a60'),
   name: 'Dinesh',
   age: 22,
   company: 'SCH infotech',
   email: 'dinesh@gmail.com',
   'phone no': '8209828992'
 }
]
```