```
mongosh mongodb://127.0.0.0.

Microsoft Windows [Version 10.0.22621.2428]
(c) Microsoft Corporation. All rights reserved.

C:\Users\suraj fartale>mongosh
Current Mongosh Log ID: 653e73e42268b0fe34cd60ef9
Connecting to:          mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+1.10.6
Using MongoDB:          7.0.1
Using Mongosh:          1.10.6
mongosh 2.0.2 is available for download: https://www.mongodb.com/try/download/shell

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

------
    The server generated these startup warnings when booting
    2023-10-16T20:13:48.238+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
------

test> use LP1
switched to db LP1
LP1> LP_1
ReferenceError: LP_1 is not defined
LP1> use LP_1
switched to db LP_1
LP1> db.LP_1.insertMany({name:"suraj",age:20,city:"pune"},{name:"meenal",age:21,city:"baramati"},{name:"kunal",age:18,city:"alibaug"},{name:"vinay",age:20,city:"pimpri"},{name:"anugrah",age:22,city:"gujrat"},
{name:"sameer",age:19,city:"beed"},{name:"athang",age:23,city:"sambhajinagar",marks:[90,95,100]})
LP1> db.LP_1.insertMany({name:"suraj",age:20,city:"pune"},{name:"meenal",age:21,city:"baramati"},{name:"kunal",age:18,city:"alibaug"},{name:"vinay",age:20,city:"pimpri"},{name:"anugrah",age:22,city:"gujrat"}
{name:"sameer",age:19,city:"beed"},{name:"athang",age:23,city:"sambhajinagar",marks:[90,95,100]})
MongoInvalidArgumentError: Argument "docs" must be an array of documents
LP1> db.LP_1.insertMany([{name:"suraj",age:20,city:"pune"},{name:"meenal",age:21,city:"baramati"},{name:"kunal",age:18,city:"alibaug"},{name:"vinay",age:20,city:"pimpri"},{name:"anugrah",age:22,city:"gujrat"}
,{name:"sameer",age:19,city:"beed"},{name:"athang",age:23,city:"sambhajinagar",marks:[90,95,100]}])
Uncaught:
SyntaxError: Unexpected token, expected "," (1:301)

> 1 | db.LP_1.insertMany([{name:"suraj",age:20,city:"pune"},{name:"meenal",age:21,city:"baramati"},{name:"kunal",age:18,city:"alibaug"},{name:"vinay",age:20,city:"pimpri"},{name:"anugrah",age:22,city:"gujrat"}
,{name:"sameer",age:19,city:"beed"},{name:"athang",age:23,city:"sambhajinagar",marks:[90,95,100]}])
    |
  2 |
    |                                                                                                       ^

LP1> db.LP_1.insertMany([{name:"suraj",age:20,city:"pune"},{name:"meenal",age:21,city:"baramati"},{name:"kunal",age:18,city:"alibaug"},{name:"vinay",age:20,city:"pimpri"},{name:"anugrah",age:22,city:"gujrat"}
,{name:"sameer",age:19,city:"beed"},{name:"athang",age:23,city:"sambhajinagar",marks:[90,95,100]}])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("653e75132268b0fe34cd60efa"),
    '1': ObjectId("653e75132268b0fe34cd60efb"),
    '2': ObjectId("653e75132268b0fe34cd60efc"),
    '3': ObjectId("653e75132268b0fe34cd60efd"),
    '4': ObjectId("653e75132268b0fe34cd60efe"),
    '5': ObjectId("653e75132268b0fe34cd60eff"),
    '6': ObjectId("653e75132268b0fe34cd60f00")
  }
}
```

```
mongosh mongodb://127.0.0.

LP_1> db.LP_1.find({}).pretty()
[
  {
    _id: ObjectId("653e75132b8b0fe34cd60efa"),
    name: 'suraj',
    age: 20,
    city: 'pune'
  },
  {
    _id: ObjectId("653e75132b8b0fe34cd60efb"),
    name: 'meenal',
    age: 21,
    city: 'baramati'
  },
  {
    _id: ObjectId("653e75132b8b0fe34cd60efc"),
    name: 'kunal',
    age: 18,
    city: 'alibaug'
  },
  {
    _id: ObjectId("653e75132b8b0fe34cd60efd"),
    name: 'vinay',
    age: 20,
    city: 'pimpri'
  },
  {
    _id: ObjectId("653e75132b8b0fe34cd60efe"),
    name: 'anugrah',
    age: 22,
    city: 'gujrat'
  },
  {
    _id: ObjectId("653e75132b8b0fe34cd60eff"),
    name: 'sameer',
    age: 19,
    city: 'bed'
  },
  {
    _id: ObjectId("653e75132b8b0fe34cd60f00"),
    name: 'athang',
    age: 23,
    city: 'sambhajinagar',
    marks: [ 90, 95, 100 ]
  }
]
LP_1> db.LP_1.findOne({age:20})
{
  _id: ObjectId("653e75132b8b0fe34cd60efa"),
  name: 'suraj',
```

```
}
LP_1> db.LP_1.findOne({age:20})
{
  _id: ObjectId("653e75132268b0fe34cd60efa"),
  name: 'suraj',
  age: 20,
  city: 'pune'
}
LP_1> db.LP_1.update({name:"kunal"},{$set:{city:"alibaug-raigad"}})
DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
LP_1> db.LP_1.find({name:"kunal"})
[
  {
    _id: ObjectId("653e75132268b0fe34cd60efc"),
    name: 'kunal',
    age: 18,
    city: 'alibaug-raigad'
  }
]
LP_1> db.LP_1.find({name:"sameer"})
LP_1> db.LP_1.deleteOne({name:"sameer"})
{ acknowledged: true, deletedCount: 1 }
LP_1> db.LP_1.find({age:$eq:20}})
[
  {
    _id: ObjectId("653e75132268b0fe34cd60efa"),
    name: 'suraj',
    age: 20,
    city: 'pune'
  },
  {
    _id: ObjectId("653e75132268b0fe34cd60efd"),
    name: 'vinay',
    age: 20,
    city: 'pimpri'
  }
]
LP_1> db.LP_1.find({age:{$gte:20}})
[
  {
    _id: ObjectId("653e75132268b0fe34cd60efa"),
    name: 'suraj',
```

```
LP_1> db.LP_1.find({age:{$gte:20}})
[
  {
    _id: ObjectId("653e75132b68b0fe34cd60efa"),
    name: 'suraj',
    age: 20,
    city: 'pune'
  },
  {
    _id: ObjectId("653e75132b68b0fe34cd60efb"),
    name: 'meenal',
    age: 21,
    city: 'baramati'
  },
  {
    _id: ObjectId("653e75132b68b0fe34cd60efd"),
    name: 'vinay',
    age: 20,
    city: 'pimpri'
  },
  {
    _id: ObjectId("653e75132b68b0fe34cd60efe"),
    name: 'anugrah',
    age: 22,
    city: 'gujrat'
  },
  {
    _id: ObjectId("653e75132b68b0fe34cd60f00"),
    name: 'athang',
    age: 23,
    city: 'sambhajinagar',
    marks: [ 90, 95, 100 ]
  }
]
LP_1> db.LP_1.find({age:{$gt:20}})
[
  {
    _id: ObjectId("653e75132b68b0fe34cd60efb"),
    name: 'meenal',
    age: 21,
    city: 'baramati'
  },
  {
    _id: ObjectId("653e75132b68b0fe34cd60efe"),
    name: 'anugrah',
    age: 22,
    city: 'gujrat'
  },
  {
    _id: ObjectId("653e75132b68b0fe34cd60f00"),
```

```
          name: 'anugrah',
          age: 22,
          city: 'gujrat'
        },
        {
          _id: ObjectId("653e75132268b0fe34cd60f00"),
          name: 'athang',
          age: 23,
          city: 'sambhajinagar',
          marks: [ 90, 95, 100 ]
        }
]
LP_1> db.LP_1.find({age:{$in:[22,23]}})
[
        {
          _id: ObjectId("653e75132268b0fe34cd60efe"),
          name: 'anugrah',
          age: 22,
          city: 'gujrat'
        },
        {
          _id: ObjectId("653e75132268b0fe34cd60f00"),
          name: 'athang',
          age: 23,
          city: 'sambhajinagar',
          marks: [ 90, 95, 100 ]
        }
]
LP_1> db.LP_1.find({$or:[{name:"kunal"},{age:22}]})
[
        {
          _id: ObjectId("653e75132268b0fe34cd60efc"),
          name: 'kunal',
          age: 18,
          city: 'alibaug-raigad'
        },
        {
          _id: ObjectId("653e75132268b0fe34cd60efe"),
          name: 'anugrah',
          age: 22,
          city: 'gujrat'
        },
LP_1> db.LP_1.find({age:{$not:{$in:[18,19,20,21,1]}}})
[
        {
          _id: ObjectId("653e75132268b0fe34cd60efe"),
          name: 'anugrah',
          age: 22,
          city: 'gujrat'
        },
```

```
LP_1> db.LP_1.find({age:{$not:{$in:[18,19,20,21,]}}})
[
  {
    _id: ObjectId("653e75132680bfe34cd60eefe"),
    name: 'anugrah',
    age: 22,
    city: 'gujrat'
  },
  {
    _id: ObjectId("653e75132680bfe34cd60ef00"),
    name: 'athang',
    age: 23,
    city: 'sambhajinagar',
    marks: [ 90, 95, 100 ]
  }
]
LP_1> db.cls.insert({name:null})
DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany, or bulkWrite.
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("653e768a2680bfe34cd60f01") }
}
LP_1> db.cls.find({name:null})
[ { _id: ObjectId("653e768a2680bfe34cd60f01"), name: null } ]
LP_1> db.cls.find({city:/p/})
LP_1> db.LP_1.find({city:/p/})
[
  {
    _id: ObjectId("653e75132680bfe34cd60eefa"),
    name: 'suraj',
    age: 20,
    city: 'pune'
  },
  {
    _id: ObjectId("653e75132680bfe34cd60eefd"),
    name: 'vinay',
    age: 20,
    city: 'pimpri'
  }
]
LP_1> db.LP_1.find({marks:[90,95,100]})
[
  {
    _id: ObjectId("653e75132680bfe34cd60ef00"),
    name: 'athang',
    age: 23,
    city: 'sambhajinagar',
    marks: [ 90, 95, 100 ]
  }
]
```

```
LP_1> db.LP_1.find({marks:[90,95,100]})
[
  {
    _id: ObjectId("653e7513268b0fe34cd60f00"),
    name: 'athang',
    age: 23,
    city: 'sambhajinagar',
    marks: [ 90, 95, 100 ]
  }
]
LP_1> db.LP_1.find({$where:function(){return this.age < 19}})
[
  {
    _id: ObjectId("653e7513268b0fe34cd60efc"),
    name: 'kunal',
    age: 18,
    city: 'alibaug-raigad'
  }
]
LP_1> db.LP_1.find({}).skip(3).limit(2)
[
  {
    _id: ObjectId("653e7513268b0fe34cd60efd"),
    name: 'vinay',
    age: 20,
    city: 'pimpri'
  },
  {
    _id: ObjectId("653e7513268b0fe34cd60efe"),
    name: 'anugrah',
    age: 22,
    city: 'gujrat'
  }
]
LP_1> db.LP_1.find({}).limit(3).sort(-1)
MongoInvalidArgumentError: Invalid sort format: -1 Sort must be a valid object
LP_1> db.LP_1.find({}).limit(3).sort(0)
MongoInvalidArgumentError: Invalid sort format: 0 Sort must be a valid object
LP_1> db.LP_1.find({}).limit(3).sort(2)
MongoInvalidArgumentError: Invalid sort format: 2 Sort must be a valid object
LP_1> db.LP_1.find({}).limit(3).sort(1)
MongoInvalidArgumentError: Invalid sort format: 1 Sort must be a valid object
LP_1> db.LP_1.find({}).limit(3).sort(age:-1)
Uncaught:
SyntaxError: Unexpected token, expected "," (1:34)

> 1 | db.LP_1.find({}).limit(3).sort(age:-1)
    |                                   ^
  2 |

LP_1> db.LP_1.find({}).limit(3).sort(age,-1)
```

```
LP_1> db.LP_1.find({}).limit(3).sort(0)
MongoInvalidArgumentError: Invalid sort format: 0 Sort must be a valid object
LP_1> db.LP_1.find({}).limit(3).sort(2)
MongoInvalidArgumentError: Invalid sort format: 2 Sort must be a valid object
LP_1> db.LP_1.find({}).limit(3).sort(1)
MongoInvalidArgumentError: Invalid sort format: 1 Sort must be a valid object
LP_1> db.LP_1.find({}).limit(3).sort(age:-1)
uncaught:
SyntaxError: Unexpected token, expected "," (1:34)

> 1 | db.LP_1.find({}).limit(3).sort(age:-1)
                                         ^
  2 |

LP_1> db.LP_1.find({}).limit(3).sort(age,-1)
ReferenceError: age is not defined
LP_1> db.LP_1.find({}).limit(3).sort({age,-1})
uncaught:
SyntaxError: Unexpected token (1:36)

> 1 | db.LP_1.find({}).limit(3).sort({age,-1})
                                           ^
  2 |

LP_1> db.LP_1.find({}).limit(3).sort({age:-1})
[
  {
    _id: ObjectId("653e7513268b0fe34cd60f00"),
    name: 'athang',
    age: 23,
    city: 'sambhajinagar',
    marks: [ 90, 95, 100 ]
  },
  {
    _id: ObjectId("653e7513268b0fe34cd60efe"),
    name: 'anugrah',
    age: 22,
    city: 'gujrat'
  },
  {
    _id: ObjectId("653e7513268b0fe34cd60efb"),
    name: 'meenal',
    age: 21,
    city: 'baramati'
  }
]
LP_1> |
```