```
> show dbs
admin    0.000GB
config   0.000GB
local    0.000GB
> use test
switched to db test
> db.createCollection('mycollection')
{ "ok" : 1 }
> show collections
mycollection
>
```

```
> db.names.insert({'fname': 'Rahul'})
WriteResult({ "nInserted" : 1 })
> show collections
mycollection
names
>
```

```
> show collections
mycollection
names
> db.names.drop()
true
> show collections
mycollection
>
```

```
> db.users.insert({ title: "MongoDB Overview", description: "MongoDB is NO SQL database", by : "Rahul Mane", url: "https://www.
google.com", tags: ['mongodb','database', 'NoSQL'], likes: 100 })
WriteResult({ "nInserted" : 1 })
>
```

```
> db.post.insert([ { title : "post 1", description: 'post of bulk inserting', by: 'Rahul', tags : ['mongodb', 'database', 'NoSQ
L'], likes: 100 }, { title: 'post 2', description: 'post 2 of bulk inserting', by: 'Spider', tags: ['mongodb','database','NoSQL
'], likes : 20,  comments : [{ user : "user 1", message: 'comment by user 1', dateCreated: new Date(2013,11,10,2,35), like: 0 }
 ]}])
BulkWriteResult({
        "writeErrors" : [ ],
        "writeConcernErrors" : [ ],
        "nInserted" : 2,
        "nUpserted" : 0,
        "nMatched" : 0,
        "nModified" : 0,
        "nRemoved" : 0,
        "upserted" : [ ]
})
>
```

```
> db.empDetails.insertOne(
... {
... FirstName : 'Radhika',
... LastName: 'Sharma',
... DOB: '1995-09-26',
... email: 'radhika@gmail.com',
... phone: '8089898789'
... })
{
        "acknowledged" : true,
        "insertedId" : ObjectId("60a23eacccbba9cad5b35537")
}
>
```

```
> db.empDetails.insertMany( [ { FirstName: 'firstEmp', LastName: 'first', DOB: '1995-09-09', email: 'firstemp@gmail.com', phone
: 8090988997 }, { FirstName : 'Rachel', LastName: 'christopher', DOB: '1990-07-09', email: 'rachel@gmail.com', phone: 909889768
9 }, { FirstName: 'Dany', LastName: 'Williams', DOB: '1998-06-04', email: 'Dany@gmail.com', phone: 7898654567 } ] )
{
        "acknowledged" : true,
        "insertedIds" : [
                ObjectId("60a240b5ccbba9cad5b35538"),
                ObjectId("60a240b5ccbba9cad5b35539"),
                ObjectId("60a240b5ccbba9cad5b3553a")
        ]
}
>
```

```
> db.empDetails.find().pretty()
{
        "_id" : ObjectId("60a23eacccbba9cad5b35537"),
        "FirstName" : "Radhika",
        "LastName" : "Sharma",
        "DOB" : "1995-09-26",
        "email" : "radhika@gmail.com",
        "phone" : "8089898789"
}
{
        "_id" : ObjectId("60a240b5ccbba9cad5b35538"),
        "FirstName" : "firstEmp",
        "LastName" : "first",
        "DOB" : "1995-09-09",
        "email" : "firstemp@gmail.com",
        "phone" : 8090988997
}
{
        "_id" : ObjectId("60a240b5ccbba9cad5b35539"),
        "FirstName" : "Rachel",
        "LastName" : "christopher",
        "DOB" : "1990-07-09",
        "email" : "rachel@gmail.com",
        "phone" : 9098897689
}
{
        "_id" : ObjectId("60a240b5ccbba9cad5b3553a"),
        "FirstName" : "Dany",
        "LastName" : "Williams",
        "DOB" : "1998-06-04",
        "email" : "Dany@gmail.com",
        "phone" : 7898654567
}
>
```

```
> db.empDetails.findOne({FirstName: 'Radhika'})
{
        "_id" : ObjectId("60a23eacccbba9cad5b35537"),
        "FirstName" : "Radhika",
        "LastName" : "Sharma",
        "DOB" : "1995-09-26",
        "email" : "radhika@gmail.com",
        "phone" : "8089898789"
}
> db.empDetails.findOne({LastName: 'Williams'})
{
        "_id" : ObjectId("60a240b5ccbba9cad5b3553a"),
        "FirstName" : "Dany",
        "LastName" : "Williams",
        "DOB" : "1998-06-04",
        "email" : "Dany@gmail.com",
        "phone" : 7898654567
}
> db.empDetails.findOne({email : 'rachel@gmail.cop'})
null
> db.empDetails.findOne({email : 'rachel@gmail.com'})
{
        "_id" : ObjectId("60a240b5ccbba9cad5b35539"),
        "FirstName" : "Rachel",
        "LastName" : "christopher",
        "DOB" : "1990-07-09",
        "email" : "rachel@gmail.com",
        "phone" : 9098897689
}
>
```

```
> db.post.find({'likes' : {$lte : 20}}).pretty()
{
        "_id" : ObjectId("60a23dc9ccbba9cad5b35536"),
        "title" : "post 2",
        "description" : "post 2 of bulk inserting",
        "by" : "Spider",
        "tags" : [
                "mongodb",
                "database",
                "NoSQL"
        ],
        "likes" : 20,
        "comments" : [
                {
                        "user" : "user 1",
                        "message" : "comment by user 1",
                        "dateCreated" : ISODate("2013-12-09T21:05:00Z"),
                        "like" : 0
                }
        ]
}
>
```

```
> db.post.find({'likes': {$lt: 50}}).pretty()
{
        "_id" : ObjectId("60a23dc9ccbba9cad5b35536"),
        "title" : "post 2",
        "description" : "post 2 of bulk inserting",
        "by" : "Spider",
        "tags" : [
                "mongodb",
                "database",
                "NoSQL"
        ],
        "likes" : 20,
        "comments" : [
                {
                        "user" : "user 1",
                        "message" : "comment by user 1",
                        "dateCreated" : ISODate("2013-12-09T21:05:00Z"),
                        "like" : 0
                }
        ]
}
```

```
> db.post.find({'likes' : {$gt: 20}}).pretty()
{
        "_id" : ObjectId("60a23dc9ccbba9cad5b35535"),
        "title" : "post 1",
        "description" : "post of bulk inserting",
        "by" : "Rahul",
        "tags" : [
                "mongodb",
                "database",
                "NoSQL"
        ],
        "likes" : 100
}
> db.post.find({'likes' : {$gte : 100}}).pretty()
... )
2021-05-17T15:57:36.983+0530 E  QUERY    [js] uncaught exception: TypeError: (intermediate value).pretty is not a function :
@(shell):1:14
> db.post.find({'likes' : {$gte : 100}}).pretty()
{
        "_id" : ObjectId("60a23dc9ccbba9cad5b35535"),
        "title" : "post 1",
        "description" : "post of bulk inserting",
        "by" : "Rahul",
        "tags" : [
                "mongodb",
                "database",
                "NoSQL"
        ],
        "likes" : 100
}
>
```

```
> db.post.find({'likes' : {$ne : 50 }}).pretty()
{
        "_id" : ObjectId("60a23dc9ccbba9cad5b35535"),
        "title" : "post 1",
        "description" : "post of bulk inserting",
        "by" : "Rahul",
        "tags" : [
                "mongodb",
                "database",
                "NoSQL"
        ],
        "likes" : 100
}
{

        "_id" : ObjectId("60a23dc9ccbba9cad5b35536"),
        "title" : "post 2",
        "description" : "post 2 of bulk inserting",
        "by" : "Spider",
        "tags" : [
                "mongodb",
                "database",
                "NoSQL"
        ],
        "likes" : 20,
        "comments" : [
                {
                        "user" : "user 1",
                        "message" : "comment by user 1",
                        "dateCreated" : ISODate("2013-12-09T21:05:00Z"),
                        "like" : 0
                }
        ]
}
>
```

```
> db.empDetails.find({'FirstName' : {$in : ['Radhika', 'Rachel']}}).pretty()
{
        "_id" : ObjectId("60a23eacccbba9cad5b35537"),
        "FirstName" : "Radhika",
        "LastName" : "Sharma",
        "DOB" : "1995-09-26",
        "email" : "radhika@gmail.com",
        "phone" : "8089898789"
}
{

        "_id" : ObjectId("60a240b5ccbba9cad5b35539"),
        "FirstName" : "Rachel",
        "LastName" : "christopher",
        "DOB" : "1990-07-09",
        "email" : "rachel@gmail.com",
        "phone" : 9098897689
}
>
```

```
> db.empDetails.find({'FirstName' : {$nin : ['Radhika', 'Rachel']}}).pretty()
{
        "_id" : ObjectId("60a240b5ccbba9cad5b35538"),
        "FirstName" : "firstEmp",
        "LastName" : "first",
        "DOB" : "1995-09-09",
        "email" : "firstemp@gmail.com",
        "phone" : 8090988997
}
{

        "_id" : ObjectId("60a240b5ccbba9cad5b3553a"),
        "FirstName" : "Dany",
        "LastName" : "Williams",
        "DOB" : "1998-06-04",
        "email" : "Dany@gmail.com",
        "phone" : 7898654567
}
>
```

```
> db.post.find( { $and : [{'by': 'Rahul'}, {'likes' : 100}] }  ).pretty()
{
        "_id" : ObjectId("60a23dc9ccbba9cad5b35535"),
        "title" : "post 1",
        "description" : "post of bulk inserting",
        "by" : "Rahul",
        "tags" : [
                "mongodb",
                "database",
                "NoSQL"
        ],
        "likes" : 100
}
> db.post.find( { $and : [{'by': 'Rahul'}, {'likes' : 10}] }  ).pretty()
>
```

```
> db.post.find( { $or : [{'by': 'Rahul'}, {'likes' : 10}] }  ).pretty()
{
        "_id" : ObjectId("60a23dc9ccbba9cad5b35535"),
        "title" : "post 1",
        "description" : "post of bulk inserting",
        "by" : "Rahul",
        "tags" : [
                "mongodb",
                "database",
                "NoSQL"
        ],
        "likes" : 100
}
>
```

```
> db.post.find( {'likes' : {$gt : 20}, $or : [ {'by': 'Rahul'}, {'title' : 'some title'}]}).pretty()
{
        "_id" : ObjectId("60a23dc9ccbba9cad5b35535"),
        "title" : "post 1",
        "description" : "post of bulk inserting",
        "by" : "Rahul",
        "tags" : [
                "mongodb",
                "database",
                "NoSQL"
        ],
        "likes" : 100
}
>
```

```
> db.post.find({ "likes" : {$not : {$gt : 25}}}).pretty()
{
        "_id" : ObjectId("60a23dc9ccbba9cad5b35536"),
        "title" : "post 2",
        "description" : "post 2 of bulk inserting",
        "by" : "Spider",
        "tags" : [
                "mongodb",
                "database",
                "NoSQL"
        ],
        "likes" : 20,
        "comments" : [
                {
                        "user" : "user 1",
                        "message" : "comment by user 1",
                        "dateCreated" : ISODate("2013-12-09T21:05:00Z"),
                        "like" : 0
                }
        ]
}
>
```

```
> db.users.update({'title' : 'MongoDB Overview'} ,
... {$set: {'title' : 'New MongoDB Tutorial'}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.user.find().pretty()
> db.users.find().pretty()
{
        "_id" : ObjectId("60a22fa3ccbba9cad5b35534"),
        "title" : "New MongoDB Tutorial",
        "description" : "MongoDB is NO SQL database",
        "by" : "Rahul Mane",
        "url" : "https://www.google.com",
        "tags" : [
                "mongodb",
                "database",
                "NoSQL"
        ],
        "likes" : 100
}
>
```

```
> db.empDetails.findOneAndUpdate( { FirstName: 'firstEmp'}, { $set : {FirstName : 'John', LastName: 'Patil', email : 'johnpatil@gmail.com'} } )
{
        "_id" : ObjectId("60a240b5ccbba9cad5b35538"),
        "FirstName" : "firstEmp",
        "LastName" : "first",
        "DOB" : "1995-09-09",
        "email" : "firstemp@gmail.com",
        "phone" : 8090988997
}
> db.empDetails.find().pretty()
{
        "_id" : ObjectId("60a23eacccbba9cad5b35537"),
        "FirstName" : "Radhika",
        "LastName" : "Sharma",
        "DOB" : "1995-09-26",
        "email" : "radhika@gmail.com",
        "phone" : "8089898789"
}
{
        "_id" : ObjectId("60a240b5ccbba9cad5b35538"),
        "FirstName" : "John",
        "LastName" : "Patil",
        "DOB" : "1995-09-09",
        "email" : "johnpatil@gmail.com",
        "phone" : 8090988997
}
{
        "_id" : ObjectId("60a240b5ccbba9cad5b35539"),
        "FirstName" : "Rachel",
        "LastName" : "christopher",
        "DOB" : "1990-07-09",
        "email" : "rachel@gmail.com",
        "phone" : 9098897689
}
{
        "_id" : ObjectId("60a240b5ccbba9cad5b3553a"),
        "FirstName" : "Dany",
        "LastName" : "Williams",
        "DOB" : "1998-06-04",
        "email" : "Dany@gmail.com",
        "phone" : 7898654567
}
```

```
> db.empDetails.updateOne(
... {FirstName : 'John' },
... { $set: {email : 'john@gmail.com'}})
{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }
>
```

```
> db.post.updateMany( {likes : {$gt : 25}} ,
... {$set : {likes : 00}})
{ "acknowledged" : true, "matchedCount" : 3, "modifiedCount" : 3 }
> db.post.find().pretty()
{
        "_id" : ObjectId("60a23dc9ccbba9cad5b35535"),
        "title" : "post 1",
        "description" : "post of bulk inserting",
        "by" : "Rahul",
        "tags" : [
                "mongodb",
                "database",
                "NoSQL"
        ],
        "likes" : 0
}
{
        "_id" : ObjectId("60a23dc9ccbba9cad5b35536"),
        "title" : "post 2",
        "description" : "post 2 of bulk inserting",
        "by" : "Spider",
        "tags" : [
                "mongodb",
                "database",
                "NoSQL"
        ],
        "likes" : 20,
        "comments" : [
                {
                        "user" : "user 1",
                        "message" : "comment by user 1",
                        "dateCreated" : ISODate("2013-12-09T21:05:00Z"),
                        "like" : 0
                }
        ]
}
```

```
> db.users.remove({title : 'New MongoDB Tutorial'})
WriteResult({ "nRemoved" : 1 })
>
```

```
> db.empDetails.find({}, {FirstName : 1, LastName: 1, _id : 0})
{ "FirstName" : "Radhika", "LastName" : "Sharma" }
{ "FirstName" : "John", "LastName" : "Patil" }
{ "FirstName" : "Rachel", "LastName" : "christopher" }
{ "FirstName" : "Dany", "LastName" : "Williams" }
>
```

```
> db.empDetails.find({}, {FirstName : 1, LastName: 1, _id: 0}).limit(2)
{ "FirstName" : "Radhika", "LastName" : "Sharma" }
{ "FirstName" : "John", "LastName" : "Patil" }
>
```

```
> db.empDetails.find({}, {FirstName : 1, LastName: 1, _id: 0}).skip(3)
{ "FirstName" : "Dany", "LastName" : "Williams" }
>
```

```
> db.empDetails.find({}, {FirstName: 1, _id : 0}).sort({FirstName: 1})
{ "FirstName" : "Dany" }
{ "FirstName" : "John" }
{ "FirstName" : "Rachel" }
{ "FirstName" : "Radhika" }
> db.empDetails.find({}, {FirstName: 1, _id : 0}).sort({FirstName: -1})
{ "FirstName" : "Radhika" }
{ "FirstName" : "Rachel" }
{ "FirstName" : "John" }
{ "FirstName" : "Dany" }
>
```