

```
> show databases
```

```
admin          0.000GB
```

```
candidate      0.000GB
```

```
college        0.000GB
```

```
config         0.000GB
```

```
emp            0.000GB
```

```
employees      0.000GB
```

```
local          0.000GB
```

```
> use school
```

```
switched to db school
```

```
> db.createCollection("students")
```

```
{ "ok" : 1 }
```

```
> db.school.insert({regno:"101",name:"Bincy",mark:[chem:"80",phy:"78",bio:"90"]})
```

```
uncaught exception: SyntaxError: missing ] after element list :
```

```
@(shell):1:53
```

```
> db.students.insert({regno:"101",name:"Bincy",mark:[chem:"80",phy:"78",bio:"90"]})
```

```
uncaught exception: SyntaxError: missing ] after element list :
```

```
@(shell):1:55
```

```
> db.students.insert({regno:"101",name:"Bincy",mark:[{chem:"80"},{phy:"78"},{bio:"90"}]})
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.students.insert({regno:"102",name:"sneha",mark:[{chem:"90"},{phy:"88"},{bio:"80"}]})
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.students.insert({regno:"103",name:"Diya",mark:[{chem:"97"},{phy:"88"},{bio:"87"}]})
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.students.find().pretty()
```

```
{
```

"_id" : ObjectId("62a06c6671761a55fd7551f9"),

"regno" : "101",

"name" : "Bincy",

"mark" : [

{

"chem" : "80"

},

{

"phy" : "78"

},

{

"bio" : "90"

}

]

}

{

"_id" : ObjectId("62a06c9c71761a55fd7551fa"),

"regno" : "102",

"name" : "sneha",

"mark" : [

{

"chem" : "90"

},

{

"phy" : "88"

},

```

        {
            "bio" : "80"
        }
    ]
}
{
    "_id" : ObjectId("62a06cc171761a55fd7551fb"),
    "regno" : "103",
    "name" : "Diya",
    "mark" : [
        {
            "chem" : "97"
        },
        {
            "phy" : "88"
        },
        {
            "bio" : "87"
        }
    ]
}

```

```
> db.students.getIndices()
```

```
[ { "v" : 2, "key" : { "_id" : 1 }, "name" : "_id_" } ]
```

```
> db.students.createIndex({"101":1})
```

```

{
    "numIndexesBefore" : 1,

```

```

        "numIndexesAfter" : 2,

        "createdCollectionAutomatically" : false,

        "ok" : 1
    }
}

> db.students.getIndices

function(filter) {

    var res = this.runCommand("listIndexes", filter);

    if (!res.ok) {

        if (res.code == ErrorCodes.NamespaceNotFound) {

            // For compatibility, return []

            return [];

        }

        throw _getErrorWithCode(res, "listIndexes failed: " + tojson(res));

    }

    return new DBCommandCursor(this._db, res).toArray();

}

> db.students.getIndices()

[

    {

        "v" : 2,

        "key" : {

            "_id" : 1

        },

    },

```

```

        "name" : "_id_"
    },
    {
        "v" : 2,
        "key" : {
            "101" : 1
        },
        "name" : "101_1"
    }
]
> db.students.dropIndex({"regno":1})
{
    "ok" : 0,
    "errmsg" : "can't find index with key: { regno: 1.0 }",
    "code" : 27,
    "codeName" : "IndexNotFound"
}
> db.students.getIndices()
[
    {
        "v" : 2,
        "key" : {
            "_id" : 1
        },
        "name" : "_id_"
    },

```

```

    {
        "v" : 2,
        "key" : {
            "101" : 1
        },
        "name" : "101_1"
    }
]
> db.students.createIndex({"regno":1,"name":1})
{
    "numIndexesBefore" : 2,
    "numIndexesAfter" : 3,
    "createdCollectionAutomatically" : false,
    "ok" : 1
}
> db.students.getIndices()
[
    {
        "v" : 2,
        "key" : {
            "_id" : 1
        },
        "name" : "_id_"
    },
    {
        "v" : 2,

```

```

        "key" : {
            "101" : 1
        },
        "name" : "101_1"
    },
    {
        "v" : 2,
        "key" : {
            "regno" : 1,
            "name" : 1
        },
        "name" : "regno_1_name_1"
    }
]

> db.students.dropIndex({"101":1})

{ "nIndexesWas" : 3, "ok" : 1 }

> db.students.getIndices()

[
    {
        "v" : 2,
        "key" : {
            "_id" : 1
        },
        "name" : "_id_"
    },
    {

```

```

        "v" : 2,

        "key" : {

            "regno" : 1,

            "name" : 1

        },

        "name" : "regno_1_name_1"

    }

]

> db.students.find()

{ "_id" : ObjectId("62a06c6671761a55fd7551f9"), "regno" : "101", "name" : "Bincy", "mark" : [ { "chem" :
"80" }, { "phy" : "78" }, { "bio" : "90" } ] }

{ "_id" : ObjectId("62a06c9c71761a55fd7551fa"), "regno" : "102", "name" : "sneha", "mark" : [ { "chem" :
"90" }, { "phy" : "88" }, { "bio" : "80" } ] }

{ "_id" : ObjectId("62a06cc171761a55fd7551fb"), "regno" : "103", "name" : "Diya", "mark" : [ { "chem" :
"97" }, { "phy" : "88" }, { "bio" : "87" } ] }

> db.students.createIndex({"marks.phy":1})

{

    "numIndexesBefore" : 2,

    "numIndexesAfter" : 3,

    "createdCollectionAutomatically" : false,

    "ok" : 1

}

> db.students.getIndices()

[

    {

        "v" : 2,

        "key" : {

```



```

        "_id" : 1
      },
      "name" : "_id_"
    },
    {
      "v" : 2,
      "key" : {
        "regno" : 1,
        "name" : 1
      },
      "name" : "regno_1_name_1"
    },
    {
      "v" : 2,
      "key" : {
        "marks.phy" : 1
      },
      "name" : "marks.phy_1"
    }
  ]
}

> db.students.dropIndex({"marks.phy":1})

{ "nIndexesWas" : 3, "ok" : 1 }

> db.students.getIndices()

[
  {
    "v" : 2,

```

```

        "key" : {
            "_id" : 1
        },
        "name" : "_id_"
    },
    {
        "v" : 2,
        "key" : {
            "regno" : 1,
            "name" : 1
        },
        "name" : "regno_1_name_1"
    }
]

```

```
> db.db.createCollection("comment")
```

uncaught exception: TypeError: db.db.createCollection is not a function :

```
@(shell):1:1
```

```
> db.createCollection("comment")
```

```
{ "ok" : 1 }
```

```
> db.comment.insert({name:"sony","post":"hai there"})
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.comment.insert({name:"bincy","post":"hello there"})
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.comment.insert({name:"sneha","post":"thankyou"})
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.students.find()
```

```
{ "_id" : ObjectId("62a06c6671761a55fd7551f9"), "regno" : "101", "name" : "Bincy", "mark" : [ { "chem" : "80" }, { "phy" : "78" }, { "bio" : "90" } ] }
```

```
{ "_id" : ObjectId("62a06c9c71761a55fd7551fa"), "regno" : "102", "name" : "sneha", "mark" : [ { "chem" : "90" }, { "phy" : "88" }, { "bio" : "80" } ] }
```

```
{ "_id" : ObjectId("62a06cc171761a55fd7551fb"), "regno" : "103", "name" : "Diya", "mark" : [ { "chem" : "97" }, { "phy" : "88" }, { "bio" : "87" } ] }
```

```
> db.comment.find()
```

```
{ "_id" : ObjectId("62a072a871761a55fd7551fc"), "name" : "sony", "post" : "hai there" }
```

```
{ "_id" : ObjectId("62a072c671761a55fd7551fd"), "name" : "bincy", "post" : "hello there" }
```

```
{ "_id" : ObjectId("62a072dc71761a55fd7551fe"), "name" : "sneha", "post" : "thankyou" }
```

```
> db.comment.createIndex({"post":"text"})
```

```
{  
    "numIndexesBefore" : 1,  
    "numIndexesAfter" : 2,  
    "createdCollectionAutomatically" : false,  
    "ok" : 1  
}
```

```
> db.comment.find()
```

```
{ "_id" : ObjectId("62a072a871761a55fd7551fc"), "name" : "sony", "post" : "hai there" }
```

```
{ "_id" : ObjectId("62a072c671761a55fd7551fd"), "name" : "bincy", "post" : "hello there" }
```

```
{ "_id" : ObjectId("62a072dc71761a55fd7551fe"), "name" : "sneha", "post" : "thankyou" }
```

```
> db.students.getIndices()
```

```
[  
    {  
        "v" : 2,  
        "key" : {  
            "_id" : 1
```

```

        },
        "name" : "_id_"
    },
    {
        "v" : 2,
        "key" : {
            "regno" : 1,
            "name" : 1
        },
        "name" : "regno_1_name_1"
    }
]

> db.comment.find({$text:{ $search : "\"hai there\"" }})
{ "_id" : ObjectId("62a072a871761a55fd7551fc"), "name" : "sony", "post" : "hai there" }

> db.comment.find({$text:{ $search : "\" there\"" }})

> db.comment.find({$text:{ $search : "\" thank\"" }})

> db.comment.find({$text:{ $search : "\" thankyou\"" }})

> db.comment.find({$text:{ $search : "\" hello there\"" }})

>

>

>

> db.comment.find({$text:{ $search : "\"hai there\"" }})
{ "_id" : ObjectId("62a072a871761a55fd7551fc"), "name" : "sony", "post" : "hai there" }

> db.comment.find({$text:{ $search : "\"hello there\"" }})
{ "_id" : ObjectId("62a072c671761a55fd7551fd"), "name" : "bincy", "post" : "hello there" }

> db.comment.find({$text:{ $search : "\"thankyou\"" }})

```

```
{ "_id" : ObjectId("62a072dc71761a55fd7551fe"), "name" : "sneha", "post" : "thankyou" }
```

```
> db.comment.find({$text:{ $search : "\"thank\""}})
```

```
>
```

```
> db.comment.find({$text:{ $search : "\"thankyou\""}})
```

```
{ "_id" : ObjectId("62a072dc71761a55fd7551fe"), "name" : "sneha", "post" : "thankyou" }
```

```
>
```