```
Microsoft Windows [Version 10.0.22631.4391]
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C:\Users\ADMIN>mongosh
Current Mongosh Log ID: 672afcc2e5951dd62c0d818f
Connecting to:
mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appN
ame=mongosh+2.3.3
Using MongoDB:
                        8.0.3
Using Mongosh:
                       2.3.3
For mongosh info see: https://www.mongodb.com/docs/mongodb-shell/
   The server generated these startup warnings when booting
   2024-11-05T19:59:55.011+05:30: Access control is not enabled for the database.
Read and write access to data and configuration is unrestricted
test> show databases
admin 40.00 KiB
config 48.00 KiB
local 40.00 KiB
tea55 80.00 KiB
test> use tea55
switched to db tea55
tea55> show collections
students
test collection
tea55> db.students.find()
  { _id: ObjectId('672a30420b146f0f4c0d8190'), name: 'Ram', age: 12 },
    _id: ObjectId('672a30ea0b146f0f4c0d8191'),
    name: 'Piyush',
    age: 21
  },
    _id: ObjectId('672a30ea0b146f0f4c0d8192'),
   name: 'Kushal',
   age: 21
  },
  { _id: ObjectId('672a30ea0b146f0f4c0d8193'), name: 'Vivek', age: 18 },
  { _id: ObjectId('672a349d0b146f0f4c0d8194'), name: 'Tom', age: 11 },
  { _id: ObjectId('672a349d0b146f0f4c0d8195'), name: 'Tunnu', age: 11 },
    _id: ObjectId('672a3ab70b146f0f4c0d8196'),
    name: 'Piyush',
   age: 10
  },
```

```
{ _id: ObjectId('672a3ab70b146f0f4c0d8198'), name: 'Vivek', age: 18 }
tea55> // db.collection.aggregate(pipeline, options)
tea55> // db.collection.aggregate([pipeline], options)
tea55> db.createCollection("teachers")
tea55> dd.teachers.insertMany([{name:"piyush ", age:22, exp:8,
city:"Nashik"},{name:"Kushal", age:20, exp:7, city:"Pune"},{name:"vivek", age21:,
exp:10, city: "Nashik"}, {name: "dipesh", age:22, exp:9, city: "Nashik"},
{name:"laukik", age:20, exp:10, city:"Pune"}, {name:"jay", age:20, exp:10,
city:"Pune"}, {name:"mohit", age:24, exp:12, city:"Shahada"}])
Uncaught:
SyntaxError: Unexpected token (1:136)
> 1 | dd.teachers.insertMany([{name:"piyush ", age:22, exp:8,
city:"Nashik"},{name:"Kushal", age:20, exp:7, city:"Pune"},{name:"vivek", age21:,
exp:10, city: "Nashik"}, {name: "dipesh", age:22, exp:9, city: "Nashik"},
{name:"laukik", age:20, exp:10, city:"Pune"}, {name:"jay", age:20, exp:10,
city:"Pune"}, {name:"mohit", age:24, exp:12, city:"Shahada"}])
  2 |
tea55> db.teachers.insertMany([{name:"piyush ", age:22, exp:8,
city:"Nashik"},{name:"Kushal", age:20, exp:7, city:"Pune"},{name:"vivek", age21:,
exp:10, city: "Nashik" }, {name: "dipesh", age:22, exp:9, city: "Nashik" },
{name:"laukik", age:20, exp:10, city:"Pune"}, {name:"jay", age:20, exp:10,
city:"Pune"}, {name:"mohit", age:24, exp:12, city:"Shahada"}])
Uncaught:
SyntaxError: Unexpected token (1:136)
> 1 | db.teachers.insertMany([{name:"piyush ", age:22, exp:8,
city:"Nashik"},{name:"Kushal", age:20, exp:7, city:"Pune"},{name:"vivek", age21:,
exp:10, city: "Nashik" }, {name: "dipesh", age:22, exp:9, city: "Nashik" },
{name:"laukik", age:20, exp:10, city:"Pune"}, {name:"jay", age:20, exp:10,
city:"Pune"}, {name:"mohit", age:24, exp:12, city:"Shahada"}])
  2 |
tea55> db.teachers.insertMany([{name:"piyush ", age:22, exp:8,
city:"Nashik"},{name:"Kushal", age:20, exp:7, city:"Pune"},{name:"vivek", age:21,
exp:10, city: "Nashik"}, {name: "dipesh", age:22, exp:9, city: "Nashik"},
{name:"laukik", age:20, exp:10, city:"Pune"}, {name:"jay", age:20, exp:10,
city:"Pune"}, {name:"mohit", age:24, exp:12, city:"Shahada"}])
  acknowledged: true,
  insertedIds: {
```

```
'0': ObjectId('672b00aee5951dd62c0d8190'),
    '1': ObjectId('672b00aee5951dd62c0d8191'),
    '2': ObjectId('672b00aee5951dd62c0d8192'),
    '3': ObjectId('672b00aee5951dd62c0d8193'),
    '4': ObjectId('672b00aee5951dd62c0d8194'),
    '5': ObjectId('672b00aee5951dd62c0d8195'),
    '6': ObjectId('672b00aee5951dd62c0d8196')
 }
}
tea55> db.teachers.find.pretty()
TypeError: db.teachers.find.pretty is not a function
tea55> db.teachers.find().pretty()
Γ
 {
    _id: ObjectId('672b00aee5951dd62c0d8190'),
    name: 'piyush ',
    age: 22,
    exp: 8,
    city: 'Nashik'
  },
    id: ObjectId('672b00aee5951dd62c0d8191'),
    name: 'Kushal',
    age: 20,
    exp: 7,
    city: 'Pune'
 },
    _id: ObjectId('672b00aee5951dd62c0d8192'),
    name: 'vivek',
    age: 21,
    exp: 10,
    city: 'Nashik'
 },
    _id: ObjectId('672b00aee5951dd62c0d8193'),
    name: 'dipesh',
    age: 22,
    exp: 9,
    city: 'Nashik'
 },
    _id: ObjectId('672b00aee5951dd62c0d8194'),
   name: 'laukik',
    age: 20,
    exp: 10,
    city: 'Pune'
 },
    _id: ObjectId('672b00aee5951dd62c0d8195'),
```

```
name: 'jay',
    age: 20,
    exp: 10,
    city: 'Pune'
  },
    id: ObjectId('672b00aee5951dd62c0d8196'),
   name: 'mohit',
    age: 24,
    exp: 12,
    city: 'Shahada'
  }
tea55> // ****** $match: {Filters documents based on specified criteria.}
tea55> db.teachers.find([{$match:{city:"Pune"}}])
MongoInvalidArgumentError: Query filter must be a plain object or ObjectId
tea55> db.teachers.aggregate([{$match:{city:"Pune"}}])
Γ
  {
    id: ObjectId('672b00aee5951dd62c0d8191'),
    name: 'Kushal',
    age: 20,
   exp: 7,
    city: 'Pune'
  },
    id: ObjectId('672b00aee5951dd62c0d8194'),
   name: 'laukik',
    age: 20,
    exp: 10,
    city: 'Pune'
  },
    _id: ObjectId('672b00aee5951dd62c0d8195'),
   name: 'jay',
    age: 20,
    exp: 10,
   city: 'Pune'
  }
tea55> // *****group by age*****
tea55> // ***$group: Groups documents by a specified identifier and can perform
aggregations on grouped data.
tea55> db.teachers.aggregate([{$group:{_id:"$age"}}])
[ { _id: 22 }, { _id: 20 }, { _id: 21 }, { _id: 24 } ]
tea55> db.teachers.aggregate([$group:{_id:'$age', name:{$push: '$name'}}])
Uncaught:
```

```
SyntaxError: Unexpected token, expected "," (1:29)
> 1 | db.teachers.aggregate([$group:{_id:'$age', name:{$push: '$name'}}])
  2 |
tea55> db.teachers.aggregate([{$group:{ id:"$age", name:{$push: "$name"}}])
Uncaught:
SyntaxError: Unexpected token, expected "," (1:66)
> 1 | db.teachers.aggregate([{$group:{_id:"$age", name:{$push: "$name"}}])
  2 |
tea55> db.teachers.aggregate([{$group:{_id:"$age", name:{$push: "$name"}}}])
Γ
 { _id: 24, name: [ 'mohit' ] },
  { _id: 21, name: [ 'vivek' ] },
  { _id: 22, name: [ 'piyush ', 'dipesh' ] }, { _id: 20, name: [ 'Kushal', 'laukik', 'jay' ] }
tea55> db.teachers.aggregate([{$group:{_id:"$age", name:{$push: "$name"}}])
Uncaught:
SyntaxError: Unexpected token, expected "," (1:66)
> 1 | db.teachers.aggregate([{$group:{_id:"$age", name:{$push: "$name"}}])
  2 |
tea55> db.teachers.aggregate([{$group:{_id:"$age", name:{$push: "$name"}}}])
Γ
  { _id: 24, name: [ 'mohit' ] },
 { _id: 21, name: [ 'vivek' ] },
 { _id: 22, name: [ 'piyush ', 'dipesh' ] },
  { _id: 20, name: [ 'Kushal', 'laukik', 'jay' ] }
tea55> db.teachers.aggregate([{ $group:{ id:"$age", avgExp:{$avg: "$exp"}
}])
  { _id: 20, avgExp: 9 },
 { _id: 22, avgExp: 8.5 },
  { _id: 21, avgExp: 10 },
  { _id: 24, avgExp: 12 }
tea55> db.teachers.aggregate([{$group:{_id:"$age", name:{$push:"$name"},
avgExp:{$avg:"$exp"}
                      }
 { _id: 20, name: [ 'Kushal', 'laukik', 'jay' ], avgExp: 9 },
  { _id: 22, name: [ 'piyush ', 'dipesh' ], avgExp: 8.5 },
  { _id: 21, name: [ 'vivek' ], avgExp: 10 },
```

```
{ _id: 24, name: [ 'mohit' ], avgExp: 12 }
tea55> // $match and $group combined
tea55> // db.collection.aggregate([
tea55>
        $match: { <field>: <value> }
Uncaught:
SyntaxError: Support for the experimental syntax 'jsx' isn't currently enabled
(2:15):
  1
          $match: { <field>: <value> }
> 2
  3 l
Add @babel/preset-react
(https://github.com/babel/babel/tree/main/packages/babel-preset-react) to the
'presets' section of your Babel config to enable transformation.
If you want to leave it as-is, add @babel/plugin-syntax-jsx
(https://github.com/babel/babel/tree/main/packages/babel-plugin-syntax-jsx) to the
'plugins' section to enable parsing.
tea55>
Uncaught:
SyntaxError: Unexpected token (1:2)
> 1 |
        },
  2 |
tea55>
         {
        $group: {
          id: "<field_to_group_by>",
          <new_field_name>: { <accumulator_operator>: "<field>" },
Uncaught:
SyntaxError: Support for the experimental syntax 'jsx' isn't currently enabled
(4:7):
  2 |
          $group: {
  3 l
            _id: "<field_to_group_by>",
            <new field name>: { <accumulator operator>: "<field>" },
> 4
  5
Add @babel/preset-react
(https://github.com/babel/babel/tree/main/packages/babel-preset-react) to the
'presets' section of your Babel config to enable transformation.
If you want to leave it as-is, add @babel/plugin-syntax-jsx
```

```
(https://github.com/babel/babel/tree/main/packages/babel-plugin-syntax-jsx) to the
'plugins' section to enable parsing.
tea55>
            <another new field name>: { <accumulator operator>: "<field>" }
Uncaught:
SyntaxError: Support for the experimental syntax 'jsx' isn't currently enabled
(1:7):
> 1 |
           <another new field name>: { <accumulator operator>: "<field>" }
 2
Add @babel/preset-react
(https://github.com/babel/babel/tree/main/packages/babel-preset-react) to the
'presets' section of your Babel config to enable transformation.
If you want to leave it as-is, add @babel/plugin-syntax-jsx
(https://github.com/babel/babel/tree/main/packages/babel-plugin-syntax-jsx) to the
'plugins' section to enable parsing.
tea55>
Uncaught:
SyntaxError: Unexpected token (1:4)
> 1 |
         }
  2 |
tea55>
Uncaught:
SyntaxError: Unexpected token (1:2)
> 1
       }
 2
tea55> ])
Uncaught:
SyntaxError: Unexpected token (1:0)
> 1 | ])
 2 |
tea55> // $match and $group combined
tea55> db.teachers.aggregate([ {$match:{city:"Nashik"} }, {$group:{ _id:"$age",
Uncaught:
SyntaxError: Unexpected token (1:116)
```

```
> 1 | db.teachers.aggregate([ {$match:{city:"Nashik"} }, {$group:{ _id:"$age",
2 |
tea55> db.teachers.aggregate([ {$match:{city:"Nashik"} }, {$group:{ id:"$age",
name:{$push:"$name"}, avgExp:{$avg:{"$exp"} } } ])
Uncaught:
SyntaxError: Unexpected token (1:116)
> 1 | db.teachers.aggregate([ {$match:{city:"Nashik"} }, {$group:{ _id:"$age",
name:{$push:"$name"}, avgExp:{$avg:{"$exp"} } } ])
 2 |
tea55> db.teachers.aggregate([ {$match:{city:"Nashik"} }, {$group:{ _id:"$age",
name:{$push:"$name"}, avgExp:{$avg:"$exp"}
                                         } } ])
Γ
  { _id: 21, name: [ 'vivek' ], avgExp: 10 },
  { id: 22, name: [ 'piyush ', 'dipesh' ], avgExp: 8.5 }
tea55> db.teachers.aggregate([ {$match:{city:"Nashik"} }, {$group:{ _id:"$age",
name:{$push:"$$R"}, avgExp:{$avg:"$exp"} } } ])
MongoServerError[Location17276]: Use of undefined variable: R
tea55> db.teachers.aggregate([ {$match:{city:"Nashik"} }, {$group:{ _id:"$age",
name:{$push:"$$ROOT"}, avgExp:{$avg:"$exp"}
                                           } } ])
 {
    id: 22,
   name: [
     {
       _id: ObjectId('672b00aee5951dd62c0d8190'),
       name: 'piyush ',
       age: 22,
       exp: 8,
       city: 'Nashik'
     },
       _id: ObjectId('672b00aee5951dd62c0d8193'),
       name: 'dipesh',
       age: 22,
       exp: 9,
       city: 'Nashik'
     }
   ],
   avgExp: 8.5
  },
  {
```

```
_id: 21,
    name: [
      {
        _id: ObjectId('672b00aee5951dd62c0d8192'),
        name: 'vivek',
        age: 21,
        exp: 10,
        city: 'Nashik'
      }
    ],
    avgExp: 10
  }
tea55> // ****more practice with count and match
tea55> db.teachers.aggregate([{$match:{exp:{gt:19}}}
                                                        }])
tea55> db.teachers.aggregate([{$match:{exp:{$gt:19}}}
                                                        }])
tea55> db.teachers.aggregate([{$match:{exp:{$gt:8}}}
                                                        }])
  {
    _id: ObjectId('672b00aee5951dd62c0d8192'),
    name: 'vivek',
    age: 21,
    exp: 10,
    city: 'Nashik'
  },
    _id: ObjectId('672b00aee5951dd62c0d8193'),
    name: 'dipesh',
    age: 22,
    exp: 9,
    city: 'Nashik'
  },
    id: ObjectId('672b00aee5951dd62c0d8194'),
    name: 'laukik',
    age: 20,
    exp: 10,
    city: 'Pune'
  },
    _id: ObjectId('672b00aee5951dd62c0d8195'),
    name: 'jay',
    age: 20,
    exp: 10,
    city: 'Pune'
  },
  {
```

```
_id: ObjectId('672b00aee5951dd62c0d8196'),
    name: 'mohit',
    age: 24,
    exp: 12,
    city: 'Shahada'
1
tea55> db.teachers.aggregate([{$match:{exp:{$gt:8}}}, { $group:{_id:"$age",
number:{$sum:1}} }
 { _id: 20, number: 2 },
 { _id: 22, number: 1 },
 { _id: 21, number: 1 },
 { id: 24, number: 1 }
tea55> db.teachers.aggregate([{$match:{exp:{$gt:8}}}, { $group:{_id:"$age",
number:{$sum:1}, all:{$push:"$$ROOT"} }} ])
 {
    _id: 21,
    number: 1,
    all: [
      {
        _id: ObjectId('672b00aee5951dd62c0d8192'),
        name: 'vivek',
        age: 21,
        exp: 10,
        city: 'Nashik'
      }
 },
    _id: 20,
   number: 2,
    all: [
      {
        _id: ObjectId('672b00aee5951dd62c0d8194'),
        name: 'laukik',
        age: 20,
        exp: 10,
        city: 'Pune'
      },
        _id: ObjectId('672b00aee5951dd62c0d8195'),
        name: 'jay',
        age: 20,
        exp: 10,
        city: 'Pune'
   1
 },
```

```
{
    _id: 24,
   number: 1,
    all: [
      {
        _id: ObjectId('672b00aee5951dd62c0d8196'),
        name: 'mohit',
        age: 24,
        exp: 12,
        city: 'Shahada'
   ]
 },
   _id: 22,
   number: 1,
    all: [
      {
        _id: ObjectId('672b00aee5951dd62c0d8193'),
        name: 'dipesh',
        age: 22,
        exp: 9,
        city: 'Nashik'
      }
    ]
 }
tea55> db.teachers.aggregate([{$match:{exp:{$gt:8}}}, { $group:{_id:"$age",
all:{$push:"$$ROOT"}, number:{$sum:1} }} ])
{
    _id: 24,
   all: [
      {
        _id: ObjectId('672b00aee5951dd62c0d8196'),
        name: 'mohit',
        age: 24,
        exp: 12,
        city: 'Shahada'
      }
    ],
   number: 1
 },
    _id: 21,
    all: [
        _id: ObjectId('672b00aee5951dd62c0d8192'),
        name: 'vivek',
        age: 21,
```

```
exp: 10,
        city: 'Nashik'
      }
    ],
    number: 1
  },
    id: 22,
    all: [
      {
        _id: ObjectId('672b00aee5951dd62c0d8193'),
        name: 'dipesh',
        age: 22,
        exp: 9,
        city: 'Nashik'
      }
    ],
    number: 1
  },
    _id: 20,
    all: [
      {
        _id: ObjectId('672b00aee5951dd62c0d8194'),
        name: 'laukik',
        age: 20,
        exp: 10,
        city: 'Pune'
      },
        _id: ObjectId('672b00aee5951dd62c0d8195'),
        name: 'jay',
        age: 20,
        exp: 10,
        city: 'Pune'
      }
    ],
    number: 2
tea55> db.teachers.aggregate([ {     $sort:{exp:-1} } ])
{
    _id: ObjectId('672b00aee5951dd62c0d8196'),
    name: 'mohit',
    age: 24,
    exp: 12,
    city: 'Shahada'
  },
  {
```

```
_id: ObjectId('672b00aee5951dd62c0d8192'),
   name: 'vivek',
   age: 21,
   exp: 10,
   city: 'Nashik'
 },
    _id: ObjectId('672b00aee5951dd62c0d8194'),
   name: 'laukik',
   age: 20,
   exp: 10,
   city: 'Pune'
 },
   _id: ObjectId('672b00aee5951dd62c0d8195'),
   name: 'jay',
   age: 20,
   exp: 10,
   city: 'Pune'
  },
   _id: ObjectId('672b00aee5951dd62c0d8193'),
   name: 'dipesh',
   age: 22,
   exp: 9,
   city: 'Nashik'
 },
   _id: ObjectId('672b00aee5951dd62c0d8190'),
   name: 'piyush ',
   age: 22,
   exp: 8,
   city: 'Nashik'
 },
   _id: ObjectId('672b00aee5951dd62c0d8191'),
   name: 'Kushal',
   age: 20,
   exp: 7,
   city: 'Pune'
 }
tea55> // ********* $sort ***********
{
   _id: ObjectId('672b00aee5951dd62c0d8191'),
   name: 'Kushal',
   age: 20,
```

```
exp: 7,
   city: 'Pune'
 },
 {
   _id: ObjectId('672b00aee5951dd62c0d8194'),
   name: 'laukik',
   age: 20,
   exp: 10,
   city: 'Pune'
 },
   _id: ObjectId('672b00aee5951dd62c0d8195'),
   name: 'jay',
   age: 20,
   exp: 10,
   city: 'Pune'
 },
   _id: ObjectId('672b00aee5951dd62c0d8192'),
   name: 'vivek',
   age: 21,
   exp: 10,
   city: 'Nashik'
 },
   _id: ObjectId('672b00aee5951dd62c0d8190'),
   name: 'piyush ',
   age: 22,
   exp: 8,
   city: 'Nashik'
 },
   _id: ObjectId('672b00aee5951dd62c0d8193'),
   name: 'dipesh',
   age: 22,
   exp: 9,
   city: 'Nashik'
 },
   _id: ObjectId('672b00aee5951dd62c0d8196'),
   name: 'mohit',
   age: 24,
   exp: 12,
   city: 'Shahada'
 }
tea55> db.teachers.aggregate([ {     $match:{age:{gt:10}} },{     $group:{_id:"$age",
```

```
allDoc:{$push: "$$ROOT"}} },{ $sort:{exp:1} }])
{
    _id: 21,
    allDoc: [
      {
        _id: ObjectId('672b00aee5951dd62c0d8192'),
        name: 'vivek',
        age: 21,
        exp: 10,
        city: 'Nashik'
      }
    ]
 },
    _id: 20,
   allDoc: [
      {
        _id: ObjectId('672b00aee5951dd62c0d8191'),
        name: 'Kushal',
        age: 20,
        exp: 7,
        city: 'Pune'
      },
        _id: ObjectId('672b00aee5951dd62c0d8194'),
        name: 'laukik',
        age: 20,
        exp: 10,
        city: 'Pune'
      },
        _id: ObjectId('672b00aee5951dd62c0d8195'),
        name: 'jay',
        age: 20,
        exp: 10,
        city: 'Pune'
      }
    ]
 },
    _id: 24,
   allDoc: [
      {
        _id: ObjectId('672b00aee5951dd62c0d8196'),
        name: 'mohit',
        age: 24,
        exp: 12,
        city: 'Shahada'
      }
```

```
1
 },
   _id: 22,
   allDoc: [
     {
       _id: ObjectId('672b00aee5951dd62c0d8190'),
       name: 'piyush ',
       age: 22,
       exp: 8,
       city: 'Nashik'
     },
       _id: ObjectId('672b00aee5951dd62c0d8193'),
       name: 'dipesh',
       age: 22,
       exp: 9,
       city: 'Nashik'
     }
   ]
 }
{
   _id: ObjectId('672b00aee5951dd62c0d8191'),
   name: 'Kushal',
   age: 20,
   exp: 7,
   city: 'Pune'
 },
   _id: ObjectId('672b00aee5951dd62c0d8190'),
   name: 'piyush ',
   age: 22,
   exp: 8,
   city: 'Nashik'
 },
   _id: ObjectId('672b00aee5951dd62c0d8193'),
   name: 'dipesh',
   age: 22,
   exp: 9,
   city: 'Nashik'
 },
   _id: ObjectId('672b00aee5951dd62c0d8192'),
   name: 'vivek',
   age: 21,
   exp: 10,
```

```
city: 'Nashik'
 },
   _id: ObjectId('672b00aee5951dd62c0d8194'),
   name: 'laukik',
   age: 20,
   exp: 10,
   city: 'Pune'
 },
   _id: ObjectId('672b00aee5951dd62c0d8195'),
   name: 'jay',
   age: 20,
   exp: 10,
   city: 'Pune'
 },
   _id: ObjectId('672b00aee5951dd62c0d8196'),
   name: 'mohit',
   age: 24,
   exp: 12,
   city: 'Shahada'
 }
tea55> // *********project: is the field you want to include or exclude. *
*****
tea55> db.teachers.aggregate([ { _$match:{age:{$gt:10}}} },{ $sort:{exp:1} }, {
$project:{name:1, age:1, exp:1, _id:0} } ])
 { name: 'Kushal', age: 20, exp: 7 },
 { name: 'piyush ', age: 22, exp: 8 },
 { name: 'dipesh', age: 22, exp: 9 },
 { name: 'vivek', age: 21, exp: 10 },
 { name: 'laukik', age: 20, exp: 10 },
 { name: 'jay', age: 20, exp: 10 },
 { name: 'mohit', age: 24, exp: 12 }
$project:{name:1, age:1, exp:1, _id:0} }, { $limit:{3} } ])
Uncaught:
SyntaxError: Unexpected token (1:130)
$project:{name:1, age:1, exp:1, _id:0} }, { $limit:{3} } ])
                                                 Λ
 2 |
```

```
// Indexing
tea55> db.teachers.createIndex({ age:1 })
tea55> db.teachers.getIndexes()
  { v: 2, key: { _id: 1 }, name: '_id_' },
  { v: 2, key: { age: 1 }, name: 'age_1' }
tea55> // *****Compound Index ******
tea55> db.teachers.createIndex({ age:1, exp:-1 })
age_1_exp_-1
tea55> // 1: ascending , -1: Descending
tea55> // see Index
tea55> db.teachers.getIndexes()
  { v: 2, key: { _id: 1 }, name: '_id_' },
  { v: 2, key: { age: 1 }, name: 'age_1' },
  { v: 2, key: { age: 1, exp: -1 }, name: 'age_1_exp_-1' }
tea55> // ***** Dropping an Index *****
tea55> db.teachers.dropIndex("age_1_exp_-1")
{ nIndexesWas: 3, ok: 1 }
tea55> db.teachers.getIndexes()
  { v: 2, key: { _id: 1 }, name: '_id_' },
  { v: 2, key: { age: 1 }, name: 'age_1' }
tea55>
```