

MongoDB Commands :

```
Student> show dbs
```

```
admin      40.00 KiB
```

```
bookStore  72.00 KiB
```

```
challengeX 204.00 KiB
```

```
config     72.00 KiB
```

```
local      80.00 KiB
```

```
quiz       20.00 KiB
```

```
Student> use Student
```

```
switched to db Student
```

```
Student> db.users.insertOne({name : "vedant" , age : 24})
```

```
{
  acknowledged: true,
  insertedId: ObjectId('687e338574a6b0f669747f71')
}
```

```
Student> show dbs
```

```
Student    8.00 KiB
```

```
admin      40.00 KiB
```

```
bookStore  72.00 KiB
```

```
challengeX 204.00 KiB
```

```
config     72.00 KiB
```

```
local      80.00 KiB
```

```
quiz       20.00 KiB
```

```
Student> db.users.insertOne({name : "sura" , age : 25 , gender : "male"})
```

```
{
  acknowledged: true,
  insertedId: ObjectId('687e358574a6b0f669747f72')
}
```

```
Student> db.users.find()
```

```
[
  {
    _id: ObjectId('687e338574a6b0f669747f71'),
    name: 'vedant',
    age: 24
  },
  {
    _id: ObjectId('687e358574a6b0f669747f72'),
    name: 'sura',

```

```

    age: 25,
    gender: 'male'
  }
]
Student> show collections
users
Student> db.users.insertMany([{"name": "vinod" , age : 28 , gender : " male" ,salary :
6000000} , { name: "rutuja" , age :20 , gender : "female"}}])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('687e36f674a6b0f669747f73'),
    '1': ObjectId('687e36f674a6b0f669747f74')
  }
}
Student> db.users.find()
[
  {
    _id: ObjectId('687e338574a6b0f669747f71'),
    name: 'vedant',
    age: 24
  },
  {
    _id: ObjectId('687e358574a6b0f669747f72'),
    name: 'sura',
    age: 25,
    gender: 'male'
  },
  {
    _id: ObjectId('687e36f674a6b0f669747f73'),
    name: 'vinod',
    age: 28,
    gender: ' male',
    salary: 6000000
  },
  {
    _id: ObjectId('687e36f674a6b0f669747f74'),
    name: 'rutuja',
    age: 20,
    gender: 'female'
  }
]

```

```
}
]
Student> db.users.find({name : "vedant"})
[
  {
    _id: ObjectId('687e338574a6b0f669747f71'),
    name: 'vedant',
    age: 24
  }
]
Student> db.users.find({age : 24})
[
  {
    _id: ObjectId('687e338574a6b0f669747f71'),
    name: 'vedant',
    age: 24
  }
]
Student> db.users.find({age : {$gt : 20}})
[
  {
    _id: ObjectId('687e338574a6b0f669747f71'),
    name: 'vedant',
    age: 24
  },
  {
    _id: ObjectId('687e358574a6b0f669747f72'),
    name: 'sura',
    age: 25,
    gender: 'male'
  },
  {
    _id: ObjectId('687e36f674a6b0f669747f73'),
    name: 'vinod',
    age: 28,
    gender: 'male',
    salary: 6000000
  }
]
Student> db.users.find({age : {$gt : 24}})
```

```
[
  {
    _id: ObjectId('687e358574a6b0f669747f72'),
    name: 'sura',
    age: 25,
    gender: 'male'
  },
  {
    _id: ObjectId('687e36f674a6b0f669747f73'),
    name: 'vinod',
    age: 28,
    gender: 'male',
    salary: 6000000
  }
]
```

Student> db.users.find({age : {\$lt : 24}})

```
[
  {
    _id: ObjectId('687e36f674a6b0f669747f74'),
    name: 'rutuja',
    age: 20,
    gender: 'female'
  }
]
```

Student> db.users.find({age : {\$gte : 24}})

```
[
  {
    _id: ObjectId('687e338574a6b0f669747f71'),
    name: 'vedant',
    age: 24
  },
  {
    _id: ObjectId('687e358574a6b0f669747f72'),
    name: 'sura',
    age: 25,
    gender: 'male'
  },
  {
    _id: ObjectId('687e36f674a6b0f669747f73'),
    name: 'vinod',

```

```

    age: 28,
    gender: 'male',
    salary: 6000000
  }
]
Student> db.users.find({age : {$gt : 21 , $lt : 25}})
[
  {
    _id: ObjectId('687e338574a6b0f669747f71'),
    name: 'vedant',
    age: 24
  }
]
Student> db.users.find({age : {$gt : 21 , $lt : 27}})
[
  {
    _id: ObjectId('687e338574a6b0f669747f71'),
    name: 'vedant',
    age: 24
  },
  {
    _id: ObjectId('687e358574a6b0f669747f72'),
    name: 'sura',
    age: 25,
    gender: 'male'
  }
]
Student> db.users.find({age : {$gt : 21 , $lt : 37}})
[
  {
    _id: ObjectId('687e338574a6b0f669747f71'),
    name: 'vedant',
    age: 24
  },
  {
    _id: ObjectId('687e358574a6b0f669747f72'),
    name: 'sura',
    age: 25,
    gender: 'male'
  },

```

```

{
  _id: ObjectId('687e36f674a6b0f669747f73'),
  name: 'vinod',
  age: 28,
  gender: 'male',
  salary: 6000000
}
]
Student> db.users.find({$and: [{name : "vedant"} ,{ age : 24}]})
[
  {
    _id: ObjectId('687e338574a6b0f669747f71'),
    name: 'vedant',
    age: 24
  }
]
Student> db.users.find({$and: [{name : "vedant"} ,{ age : 25}]})
Student> db.users.find({$or: [{name : "vedant"} ,{ age : 28}]})
[
  {
    _id: ObjectId('687e338574a6b0f669747f71'),
    name: 'vedant',
    age: 24
  },
  {
    _id: ObjectId('687e36f674a6b0f669747f73'),
    name: 'vinod',
    age: 28,
    gender: 'male',
    salary: 6000000
  }
]
Student> db.users.find({name : "vedant"})
[
  {
    _id: ObjectId('687e338574a6b0f669747f71'),
    name: 'vedant',
    age: 24
  }
]

```

```
Student> db.users.find()
```

```
[
  {
    _id: ObjectId('687e338574a6b0f669747f71'),
    name: 'vedant',
    age: 24
  },
  {
    _id: ObjectId('687e358574a6b0f669747f72'),
    name: 'sura',
    age: 25,
    gender: 'male'
  },
  {
    _id: ObjectId('687e36f674a6b0f669747f73'),
    name: 'vinod',
    age: 28,
    gender: 'male',
    salary: 6000000
  },
  {
    _id: ObjectId('687e36f674a6b0f669747f74'),
    name: 'rutuja',
    age: 20,
    gender: 'female'
  }
]
```

```
Student> db.users.find({}, {name:1, age:1})
```

```
[
  {
    _id: ObjectId('687e338574a6b0f669747f71'),
    name: 'vedant',
    age: 24
  },
  { _id: ObjectId('687e358574a6b0f669747f72'), name: 'sura', age: 25 },
  {
    _id: ObjectId('687e36f674a6b0f669747f73'),
    name: 'vinod',
    age: 28
  },
]
```

```

{
  _id: ObjectId('687e36f674a6b0f669747f74'),
  name: 'rutuja',
  age: 20
}
]
Student> db.users.find({}, {name:1, age:1})
[
  {
    _id: ObjectId('687e338574a6b0f669747f71'),
    name: 'vedant',
    age: 24
  },
  { _id: ObjectId('687e358574a6b0f669747f72'), name: 'sura', age: 25 },
  {
    _id: ObjectId('687e36f674a6b0f669747f73'),
    name: 'vinod',
    age: 28
  },
  {
    _id: ObjectId('687e36f674a6b0f669747f74'),
    name: 'rutuja',
    age: 20
  }
]
Student> db.users.find({}, {name:1, age:1, _id:0})
[
  { name: 'vedant', age: 24 },
  { name: 'sura', age: 25 },
  { name: 'vinod', age: 28 },
  { name: 'rutuja', age: 20 }
]
Student> db.user.find({name:'vinod'})
Student> db.user.find({name:'vedant'})
Student> db.user.find({name:"vedant"})
Student> db.users.find({name:'vedant'})
[
  {
    _id: ObjectId('687e338574a6b0f669747f71'),
    name: 'vedant',

```



```

    age: 24
  }
]
Student> db.users.find({age : {$gt : 23}})
[
  {
    _id: ObjectId('687e338574a6b0f669747f71'),
    name: 'vedant',
    age: 24
  },
  {
    _id: ObjectId('687e358574a6b0f669747f72'),
    name: 'sura',
    age: 25,
    gender: 'male'
  },
  {
    _id: ObjectId('687e36f674a6b0f669747f73'),
    name: 'vinod',
    age: 28,
    gender: 'male',
    salary: 6000000
  }
]
Student> db.users.findOne({age : {$gt : 23}})
{ _id: ObjectId('687e338574a6b0f669747f71'), name: 'vedant', age: 24 }
Student> db.users.update({name : "sura"},{$set : {name : "suraj"}})
DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany,
or bulkWrite.
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
Student> db.users.find()
[
  {
    _id: ObjectId('687e338574a6b0f669747f71'),

```

```

    name: 'vedant',
    age: 24
  },
  {
    _id: ObjectId('687e358574a6b0f669747f72'),
    name: 'suraj',
    age: 25,
    gender: 'male'
  },
  {
    _id: ObjectId('687e36f674a6b0f669747f73'),
    name: 'vinod',
    age: 28,
    gender: 'male',
    salary: 6000000
  },
  {
    _id: ObjectId('687e36f674a6b0f669747f74'),
    name: 'rutuja',
    age: 20,
    gender: 'female'
  }
]
Student> db.users.update({age : {$gt : 23}},{$set : {age:30}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
Student> db.users.find()
[
  {
    _id: ObjectId('687e338574a6b0f669747f71'),
    name: 'vedant',
    age: 30
  },
  {
    _id: ObjectId('687e358574a6b0f669747f72'),

```

```

    name: 'suraj',
    age: 25,
    gender: 'male'
  },
  {
    _id: ObjectId('687e36f674a6b0f669747f73'),
    name: 'vinod',
    age: 28,
    gender: 'male',
    salary: 6000000
  },
  {
    _id: ObjectId('687e36f674a6b0f669747f74'),
    name: 'rutuja',
    age: 20,
    gender: 'female'
  }
]
Student> db.users.updateMany({age : {$gt : 23}},{$set : {age:30}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 3,
  modifiedCount: 2,
  upsertedCount: 0
}
Student> db.users.find()
[
  {
    _id: ObjectId('687e338574a6b0f669747f71'),
    name: 'vedant',
    age: 30
  },
  {
    _id: ObjectId('687e358574a6b0f669747f72'),
    name: 'suraj',
    age: 30,
    gender: 'male'
  },
  {

```

```

    _id: ObjectId('687e36f674a6b0f669747f73'),
    name: 'vinod',
    age: 30,
    gender: 'male',
    salary: 6000000
  },
  {
    _id: ObjectId('687e36f674a6b0f669747f74'),
    name: 'rutuja',
    age: 20,
    gender: 'female'
  }
]
Student> db.users.updateMany({name : "rahul"},{$set : {age:30}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 0,
  modifiedCount: 0,
  upsertedCount: 0
}
Student> db.users.find()
[
  {
    _id: ObjectId('687e338574a6b0f669747f71'),
    name: 'vedant',
    age: 30
  },
  {
    _id: ObjectId('687e358574a6b0f669747f72'),
    name: 'suraj',
    age: 30,
    gender: 'male'
  },
  {
    _id: ObjectId('687e36f674a6b0f669747f73'),
    name: 'vinod',
    age: 30,
    gender: 'male',
    salary: 6000000
  }
]

```

```
},
{
  _id: ObjectId('687e36f674a6b0f669747f74'),
  name: 'rutuja',
  age: 20,
  gender: 'female'
}
]
Student> db.users.deleteOne({name : "vedant"})
{ acknowledged: true, deletedCount: 1 }
Student> db.users.find()
[
  {
    _id: ObjectId('687e358574a6b0f669747f72'),
    name: 'suraj',
    age: 30,
    gender: 'male'
  },
  {
    _id: ObjectId('687e36f674a6b0f669747f73'),
    name: 'vinod',
    age: 30,
    gender: 'male',
    salary: 6000000
  },
  {
    _id: ObjectId('687e36f674a6b0f669747f74'),
    name: 'rutuja',
    age: 20,
    gender: 'female'
  }
]
Student>
```