\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*CREATING DATABASE AND COLLECTION\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

test> use customerOrder

switched to db customerOrder

customerOrder> show collections

customerOrder> db.createCollection("customer")

{ ok: 1 }

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*INSERTING DATA\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

customerOrder> db.customers.insertOne({name:"Sumit Sunke",email:"sumit@gmail.com",contact:9011099001,age:21,address:{city:"Kolhapur",zip:416108},interestCategories:["Mobile","Laptop","Shirts","Watch"],orders:[{ordID:1,prodName:"Mobile",quantity:1,price:15000}]})

{

acknowledged: true,

insertedId: ObjectId("653d02bb8017e404b2476a30")

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*INSERTING MULTIPLE DOCUMENTS AT A TIME\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

customerOrder> db.customers.insertMany([{name:"Rushi Mane",email:"rushi@yahoo.com",contact:9879878765,age:20,address:{city:"baramati",zip:413133},interestCategories:["Bike","Mobile","Watch"],orders:[{ordID:2,prodName:"Watch",quantity:1,price:350},{ordID:3,prodName:"Belt",quantity:2,price:150}]},{name:"Mahesh Bhosale",email:"mahesh@gmail.com",contact:3213132134,age:21,address:{city:"Kolhapur",zip:416101},interestCategories:["Laptop","Mobile","Book"],orders:[{ordID:4,prodName:"Shirt",quantity:3,price:550}]}])

{

acknowledged: true,

insertedIds: {

'0': ObjectId("653d09458017e404b2476a31"),

'1': ObjectId("653d09458017e404b2476a32")

}

}

customerOrder> db.customers.insertMany([{ name: "Pavan Thorat", email: "pavan@gmail.com", contact: 9879435335, age: 21, address: { city: "sinnar", zip: 404115 }, interestCategories: ["Movies", "Mobile", "Shirts"], orders: [{ ordID: 4, prodName: "Movies", quantity: 1, price: 450 }, { ordID: 3, prodName: "Shirt", quantity: 2, price: 190 }] }, { name: "Abhishek Bhosale", email: "abhi@gmail.com", contact: 32131343234, age: 21, address: { city: "Kolhapur", zip: 416101 }, interestCategories: ["Laptop", "Mobile", "Food"], orders: [{ ordID: 4, prodName: "mobile", quantity: 1, price: 15550 }] }])

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*DISPLAYING DATA\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

customerOrder> db.customers.find().pretty()

[

{

\_id: ObjectId("653d02bb8017e404b2476a30"),

name: 'Sumit Sunke',

email: 'sumit@gmail.com',

contact: 9011099001,

age: 21,

address: { city: 'Kolhapur', zip: 416108 },

interestCategories: [ 'Mobile', 'Laptop', 'Shirts', 'Watch' ],

orders: [ { ordID: 1, prodName: 'Mobile', quantity: 1, price: 15000 } ]

},

{

\_id: ObjectId("653d09458017e404b2476a31"),

name: 'Rushi Mane',

email: 'rushi@yahoo.com',

contact: 9879878765,

age: 20,

address: { city: 'baramati', zip: 413133 },

interestCategories: [ 'Bike', 'Mobile', 'Watch' ],

orders: [

{ ordID: 2, prodName: 'Watch', quantity: 1, price: 350 },

{ ordID: 3, prodName: 'Belt', quantity: 2, price: 150 }

]

},

{

\_id: ObjectId("653d09458017e404b2476a32"),

name: 'Mahesh Bhosale',

email: 'mahesh@gmail.com',

contact: 3213132134,

age: 21,

address: { city: 'Kolhapur', zip: 416101 },

interestCategories: [ 'Laptop', 'Mobile', 'Book' ],

orders: [ { ordID: 4, prodName: 'Shirt', quantity: 3, price: 550 } ]

},

{

\_id: ObjectId("653d4d408017e404b2476a33"),

name: 'Pavan Thorat',

email: 'pavan@gmail.com',

contact: 9879435335,

age: 21,

address: { city: 'sinnar', zip: 404115 },

interestCategories: [ 'Movies', 'Mobile', 'Shirts' ],

orders: [

{ ordID: 4, prodName: 'Movies', quantity: 1, price: 450 },

{ ordID: 3, prodName: 'Shirt', quantity: 2, price: 190 }

]

},

{

\_id: ObjectId("653d4d408017e404b2476a34"),

name: 'Abhishek Bhosale',

email: 'abhi@gmail.com',

contact: 32131343234,

age: 21,

address: { city: 'Kolhapur', zip: 416101 },

interestCategories: [ 'Laptop', 'Mobile', 'Food' ],

orders: [ { ordID: 4, prodName: 'mobile', quantity: 1, price: 15550 } ]

}

]

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*DISPLAYING DATA USING ARITHMETIC OPERATORS\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

customerOrder> db.customers.find({age:{$gt:20}})

[

{

\_id: ObjectId("653d02bb8017e404b2476a30"),

name: 'Sumit Sunke',

email: 'sumit@gmail.com',

contact: 9011099001,

age: 21,

address: { city: 'Kolhapur', zip: 416108 },

interestCategories: [ 'Mobile', 'Laptop', 'Shirts', 'Watch' ],

orders: [ { ordID: 1, prodName: 'Mobile', quantity: 1, price: 15000 } ]

},

{

\_id: ObjectId("653d09458017e404b2476a32"),

name: 'Mahesh Bhosale',

email: 'mahesh@gmail.com',

contact: 3213132134,

age: 21,

address: { city: 'Kolhapur', zip: 416101 },

interestCategories: [ 'Laptop', 'Mobile', 'Book' ],

orders: [ { ordID: 4, prodName: 'Shirt', quantity: 3, price: 550 } ]

},

{

\_id: ObjectId("653d4d408017e404b2476a33"),

name: 'Pavan Thorat',

email: 'pavan@gmail.com',

contact: 9879435335,

age: 21,

address: { city: 'sinnar', zip: 404115 },

interestCategories: [ 'Movies', 'Mobile', 'Shirts' ],

orders: [

{ ordID: 4, prodName: 'Movies', quantity: 1, price: 450 },

{ ordID: 3, prodName: 'Shirt', quantity: 2, price: 190 }

]

},

{

\_id: ObjectId("653d4d408017e404b2476a34"),

name: 'Abhishek Bhosale',

email: 'abhi@gmail.com',

contact: 32131343234,

age: 21,

address: { city: 'Kolhapur', zip: 416101 },

interestCategories: [ 'Laptop', 'Mobile', 'Food' ],

orders: [ { ordID: 4, prodName: 'mobile', quantity: 1, price: 15550 } ]

}

]

customerOrder> db.customers.find({age:{$gte:20}})

[

{

\_id: ObjectId("653d02bb8017e404b2476a30"),

name: 'Sumit Sunke',

email: 'sumit@gmail.com',

contact: 9011099001,

age: 21,

address: { city: 'Kolhapur', zip: 416108 },

interestCategories: [ 'Mobile', 'Laptop', 'Shirts', 'Watch' ],

orders: [ { ordID: 1, prodName: 'Mobile', quantity: 1, price: 15000 } ]

},

{

\_id: ObjectId("653d09458017e404b2476a31"),

name: 'Rushi Mane',

email: 'rushi@yahoo.com',

contact: 9879878765,

age: 20,

address: { city: 'baramati', zip: 413133 },

interestCategories: [ 'Bike', 'Mobile', 'Watch' ],

orders: [

{ ordID: 2, prodName: 'Watch', quantity: 1, price: 350 },

{ ordID: 3, prodName: 'Belt', quantity: 2, price: 150 }

]

},

{

\_id: ObjectId("653d09458017e404b2476a32"),

name: 'Mahesh Bhosale',

email: 'mahesh@gmail.com',

contact: 3213132134,

age: 21,

address: { city: 'Kolhapur', zip: 416101 },

interestCategories: [ 'Laptop', 'Mobile', 'Book' ],

orders: [ { ordID: 4, prodName: 'Shirt', quantity: 3, price: 550 } ]

},

{

\_id: ObjectId("653d4d408017e404b2476a33"),

name: 'Pavan Thorat',

email: 'pavan@gmail.com',

contact: 9879435335,

age: 21,

address: { city: 'sinnar', zip: 404115 },

interestCategories: [ 'Movies', 'Mobile', 'Shirts' ],

orders: [

{ ordID: 4, prodName: 'Movies', quantity: 1, price: 450 },

{ ordID: 3, prodName: 'Shirt', quantity: 2, price: 190 }

]

},

{

\_id: ObjectId("653d4d408017e404b2476a34"),

name: 'Abhishek Bhosale',

email: 'abhi@gmail.com',

contact: 32131343234,

age: 21,

address: { city: 'Kolhapur', zip: 416101 },

interestCategories: [ 'Laptop', 'Mobile', 'Food' ],

orders: [ { ordID: 4, prodName: 'mobile', quantity: 1, price: 15550 } ]

}

]

customerOrder> db.customers.find({age:{$eq:20}})

[

{

\_id: ObjectId("653d09458017e404b2476a31"),

name: 'Rushi Mane',

email: 'rushi@yahoo.com',

contact: 9879878765,

age: 20,

address: { city: 'baramati', zip: 413133 },

interestCategories: [ 'Bike', 'Mobile', 'Watch' ],

orders: [

{ ordID: 2, prodName: 'Watch', quantity: 1, price: 350 },

{ ordID: 3, prodName: 'Belt', quantity: 2, price: 150 }

]

}

]

customerOrder> db.customers.find({age:{$ne:20}})

[

{

\_id: ObjectId("653d02bb8017e404b2476a30"),

name: 'Sumit Sunke',

email: 'sumit@gmail.com',

contact: 9011099001,

age: 21,

address: { city: 'Kolhapur', zip: 416108 },

interestCategories: [ 'Mobile', 'Laptop', 'Shirts', 'Watch' ],

orders: [ { ordID: 1, prodName: 'Mobile', quantity: 1, price: 15000 } ]

},

{

\_id: ObjectId("653d09458017e404b2476a32"),

name: 'Mahesh Bhosale',

email: 'mahesh@gmail.com',

contact: 3213132134,

age: 21,

address: { city: 'Kolhapur', zip: 416101 },

interestCategories: [ 'Laptop', 'Mobile', 'Book' ],

orders: [ { ordID: 4, prodName: 'Shirt', quantity: 3, price: 550 } ]

},

{

\_id: ObjectId("653d4d408017e404b2476a33"),

name: 'Pavan Thorat',

email: 'pavan@gmail.com',

contact: 9879435335,

age: 21,

address: { city: 'sinnar', zip: 404115 },

interestCategories: [ 'Movies', 'Mobile', 'Shirts' ],

orders: [

{ ordID: 4, prodName: 'Movies', quantity: 1, price: 450 },

{ ordID: 3, prodName: 'Shirt', quantity: 2, price: 190 }

]

},

{

\_id: ObjectId("653d4d408017e404b2476a34"),

name: 'Abhishek Bhosale',

email: 'abhi@gmail.com',

contact: 32131343234,

age: 21,

address: { city: 'Kolhapur', zip: 416101 },

interestCategories: [ 'Laptop', 'Mobile', 'Food' ],

orders: [ { ordID: 4, prodName: 'mobile', quantity: 1, price: 15550 } ]

}

]

customerOrder> db.customers.find({age:{$lt:21}})

[

{

\_id: ObjectId("653d09458017e404b2476a31"),

name: 'Rushi Mane',

email: 'rushi@yahoo.com',

contact: 9879878765,

age: 20,

address: { city: 'baramati', zip: 413133 },

interestCategories: [ 'Bike', 'Mobile', 'Watch' ],

orders: [

{ ordID: 2, prodName: 'Watch', quantity: 1, price: 350 },

{ ordID: 3, prodName: 'Belt', quantity: 2, price: 150 }

]

}

]

customerOrder> db.customers.find({age:{$lte:20}})

[

{

\_id: ObjectId("653d09458017e404b2476a31"),

name: 'Rushi Mane',

email: 'rushi@yahoo.com',

contact: 9879878765,

age: 20,

address: { city: 'baramati', zip: 413133 },

interestCategories: [ 'Bike', 'Mobile', 'Watch' ],

orders: [

{ ordID: 2, prodName: 'Watch', quantity: 1, price: 350 },

{ ordID: 3, prodName: 'Belt', quantity: 2, price: 150 }

]

}

]

customerOrder> db.customers.find({age:{$in:[20,21]}})

[

{

\_id: ObjectId("653d02bb8017e404b2476a30"),

name: 'Sumit Sunke',

email: 'sumit@gmail.com',

contact: 9011099001,

age: 21,

address: { city: 'Kolhapur', zip: 416108 },

interestCategories: [ 'Mobile', 'Laptop', 'Shirts', 'Watch' ],

orders: [ { ordID: 1, prodName: 'Mobile', quantity: 1, price: 15000 } ]

},

{

\_id: ObjectId("653d09458017e404b2476a31"),

name: 'Rushi Mane',

email: 'rushi@yahoo.com',

contact: 9879878765,

age: 20,

address: { city: 'baramati', zip: 413133 },

interestCategories: [ 'Bike', 'Mobile', 'Watch' ],

orders: [

{ ordID: 2, prodName: 'Watch', quantity: 1, price: 350 },

{ ordID: 3, prodName: 'Belt', quantity: 2, price: 150 }

]

},

{

\_id: ObjectId("653d09458017e404b2476a32"),

name: 'Mahesh Bhosale',

email: 'mahesh@gmail.com',

contact: 3213132134,

age: 21,

address: { city: 'Kolhapur', zip: 416101 },

interestCategories: [ 'Laptop', 'Mobile', 'Book' ],

orders: [ { ordID: 4, prodName: 'Shirt', quantity: 3, price: 550 } ]

},

{

\_id: ObjectId("653d4d408017e404b2476a33"),

name: 'Pavan Thorat',

email: 'pavan@gmail.com',

contact: 9879435335,

age: 21,

address: { city: 'sinnar', zip: 404115 },

interestCategories: [ 'Movies', 'Mobile', 'Shirts' ],

orders: [

{ ordID: 4, prodName: 'Movies', quantity: 1, price: 450 },

{ ordID: 3, prodName: 'Shirt', quantity: 2, price: 190 }

]

},

{

\_id: ObjectId("653d4d408017e404b2476a34"),

name: 'Abhishek Bhosale',

email: 'abhi@gmail.com',

contact: 32131343234,

age: 21,

address: { city: 'Kolhapur', zip: 416101 },

interestCategories: [ 'Laptop', 'Mobile', 'Food' ],

orders: [ { ordID: 4, prodName: 'mobile', quantity: 1, price: 15550 } ]

}

]

customerOrder> db.customers.find({age:{$nin:[20]}})

[

{

\_id: ObjectId("653d02bb8017e404b2476a30"),

name: 'Sumit Sunke',

email: 'sumit@gmail.com',

contact: 9011099001,

age: 21,

address: { city: 'Kolhapur', zip: 416108 },

interestCategories: [ 'Mobile', 'Laptop', 'Shirts', 'Watch' ],

orders: [ { ordID: 1, prodName: 'Mobile', quantity: 1, price: 15000 } ]

},

{

\_id: ObjectId("653d09458017e404b2476a32"),

name: 'Mahesh Bhosale',

email: 'mahesh@gmail.com',

contact: 3213132134,

age: 21,

address: { city: 'Kolhapur', zip: 416101 },

interestCategories: [ 'Laptop', 'Mobile', 'Book' ],

orders: [ { ordID: 4, prodName: 'Shirt', quantity: 3, price: 550 } ]

},

{

\_id: ObjectId("653d4d408017e404b2476a33"),

name: 'Pavan Thorat',

email: 'pavan@gmail.com',

contact: 9879435335,

age: 21,

address: { city: 'sinnar', zip: 404115 },

interestCategories: [ 'Movies', 'Mobile', 'Shirts' ],

orders: [

{ ordID: 4, prodName: 'Movies', quantity: 1, price: 450 },

{ ordID: 3, prodName: 'Shirt', quantity: 2, price: 190 }

]

},

{

\_id: ObjectId("653d4d408017e404b2476a34"),

name: 'Abhishek Bhosale',

email: 'abhi@gmail.com',

contact: 32131343234,

age: 21,

address: { city: 'Kolhapur', zip: 416101 },

interestCategories: [ 'Laptop', 'Mobile', 'Food' ],

orders: [ { ordID: 4, prodName: 'mobile', quantity: 1, price: 15550 } ]

}

]

customerOrder> db.customers.find({age:{$nin:[20,21]}})

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*DISPLAYING DATA USING LOGICAL OPERATORS\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

customerOrder> db.customers.find({age:{$gt:20}})

[

{

\_id: ObjectId("653d02bb8017e404b2476a30"),

name: 'Sumit Sunke',

email: 'sumit@gmail.com',

contact: 9011099001,

age: 21,

address: { city: 'Kolhapur', zip: 416108 },

interestCategories: [ 'Mobile', 'Laptop', 'Shirts', 'Watch' ],

orders: [ { ordID: 1, prodName: 'Mobile', quantity: 1, price: 15000 } ]

},

{

\_id: ObjectId("653d09458017e404b2476a32"),

name: 'Mahesh Bhosale',

email: 'mahesh@gmail.com',

contact: 3213132134,

age: 21,

address: { city: 'Kolhapur', zip: 416101 },

interestCategories: [ 'Laptop', 'Mobile', 'Book' ],

orders: [ { ordID: 4, prodName: 'Shirt', quantity: 3, price: 550 } ]

},

{

\_id: ObjectId("653d4d408017e404b2476a33"),

name: 'Pavan Thorat',

email: 'pavan@gmail.com',

contact: 9879435335,

age: 21,

address: { city: 'sinnar', zip: 404115 },

interestCategories: [ 'Movies', 'Mobile', 'Shirts' ],

orders: [

{ ordID: 4, prodName: 'Movies', quantity: 1, price: 450 },

{ ordID: 3, prodName: 'Shirt', quantity: 2, price: 190 }

]

},

{

\_id: ObjectId("653d4d408017e404b2476a34"),

name: 'Abhishek Bhosale',

email: 'abhi@gmail.com',

contact: 32131343234,

age: 21,

address: { city: 'Kolhapur', zip: 416101 },

interestCategories: [ 'Laptop', 'Mobile', 'Food' ],

orders: [ { ordID: 4, prodName: 'mobile', quantity: 1, price: 15550 } ]

}

]

customerOrder> db.customers.find({age:{$gte:20}})

[

{

\_id: ObjectId("653d02bb8017e404b2476a30"),

name: 'Sumit Sunke',

email: 'sumit@gmail.com',

contact: 9011099001,

age: 21,

address: { city: 'Kolhapur', zip: 416108 },

interestCategories: [ 'Mobile', 'Laptop', 'Shirts', 'Watch' ],

orders: [ { ordID: 1, prodName: 'Mobile', quantity: 1, price: 15000 } ]

},

{

\_id: ObjectId("653d09458017e404b2476a31"),

name: 'Rushi Mane',

email: 'rushi@yahoo.com',

contact: 9879878765,

age: 20,

address: { city: 'baramati', zip: 413133 },

interestCategories: [ 'Bike', 'Mobile', 'Watch' ],

orders: [

{ ordID: 2, prodName: 'Watch', quantity: 1, price: 350 },

{ ordID: 3, prodName: 'Belt', quantity: 2, price: 150 }

]

},

{

\_id: ObjectId("653d09458017e404b2476a32"),

name: 'Mahesh Bhosale',

email: 'mahesh@gmail.com',

contact: 3213132134,

age: 21,

address: { city: 'Kolhapur', zip: 416101 },

interestCategories: [ 'Laptop', 'Mobile', 'Book' ],

orders: [ { ordID: 4, prodName: 'Shirt', quantity: 3, price: 550 } ]

},

{

\_id: ObjectId("653d4d408017e404b2476a33"),

name: 'Pavan Thorat',

email: 'pavan@gmail.com',

contact: 9879435335,

age: 21,

address: { city: 'sinnar', zip: 404115 },

interestCategories: [ 'Movies', 'Mobile', 'Shirts' ],

orders: [

{ ordID: 4, prodName: 'Movies', quantity: 1, price: 450 },

{ ordID: 3, prodName: 'Shirt', quantity: 2, price: 190 }

]

},

{

\_id: ObjectId("653d4d408017e404b2476a34"),

name: 'Abhishek Bhosale',

email: 'abhi@gmail.com',

contact: 32131343234,

age: 21,

address: { city: 'Kolhapur', zip: 416101 },

interestCategories: [ 'Laptop', 'Mobile', 'Food' ],

orders: [ { ordID: 4, prodName: 'mobile', quantity: 1, price: 15550 } ]

}

]

customerOrder> db.customers.find({age:{$eq:20}})

[

{

\_id: ObjectId("653d09458017e404b2476a31"),

name: 'Rushi Mane',

email: 'rushi@yahoo.com',

contact: 9879878765,

age: 20,

address: { city: 'baramati', zip: 413133 },

interestCategories: [ 'Bike', 'Mobile', 'Watch' ],

orders: [

{ ordID: 2, prodName: 'Watch', quantity: 1, price: 350 },

{ ordID: 3, prodName: 'Belt', quantity: 2, price: 150 }

]

}

]

customerOrder> db.customers.find({age:{$ne:20}})

[

{

\_id: ObjectId("653d02bb8017e404b2476a30"),

name: 'Sumit Sunke',

email: 'sumit@gmail.com',

contact: 9011099001,

age: 21,

address: { city: 'Kolhapur', zip: 416108 },

interestCategories: [ 'Mobile', 'Laptop', 'Shirts', 'Watch' ],

orders: [ { ordID: 1, prodName: 'Mobile', quantity: 1, price: 15000 } ]

},

{

\_id: ObjectId("653d09458017e404b2476a32"),

name: 'Mahesh Bhosale',

email: 'mahesh@gmail.com',

contact: 3213132134,

age: 21,

address: { city: 'Kolhapur', zip: 416101 },

interestCategories: [ 'Laptop', 'Mobile', 'Book' ],

orders: [ { ordID: 4, prodName: 'Shirt', quantity: 3, price: 550 } ]

},

{

\_id: ObjectId("653d4d408017e404b2476a33"),

name: 'Pavan Thorat',

email: 'pavan@gmail.com',

contact: 9879435335,

age: 21,

address: { city: 'sinnar', zip: 404115 },

interestCategories: [ 'Movies', 'Mobile', 'Shirts' ],

orders: [

{ ordID: 4, prodName: 'Movies', quantity: 1, price: 450 },

{ ordID: 3, prodName: 'Shirt', quantity: 2, price: 190 }

]

},

{

\_id: ObjectId("653d4d408017e404b2476a34"),

name: 'Abhishek Bhosale',

email: 'abhi@gmail.com',

contact: 32131343234,

age: 21,

address: { city: 'Kolhapur', zip: 416101 },

interestCategories: [ 'Laptop', 'Mobile', 'Food' ],

orders: [ { ordID: 4, prodName: 'mobile', quantity: 1, price: 15550 } ]

}

]

customerOrder> db.customers.find({age:{$lt:21}})

[

{

\_id: ObjectId("653d09458017e404b2476a31"),

name: 'Rushi Mane',

email: 'rushi@yahoo.com',

contact: 9879878765,

age: 20,

address: { city: 'baramati', zip: 413133 },

interestCategories: [ 'Bike', 'Mobile', 'Watch' ],

orders: [

{ ordID: 2, prodName: 'Watch', quantity: 1, price: 350 },

{ ordID: 3, prodName: 'Belt', quantity: 2, price: 150 }

]

}

]

customerOrder> db.customers.find({age:{$lte:20}})

[

{

\_id: ObjectId("653d09458017e404b2476a31"),

name: 'Rushi Mane',

email: 'rushi@yahoo.com',

contact: 9879878765,

age: 20,

address: { city: 'baramati', zip: 413133 },

interestCategories: [ 'Bike', 'Mobile', 'Watch' ],

orders: [

{ ordID: 2, prodName: 'Watch', quantity: 1, price: 350 },

{ ordID: 3, prodName: 'Belt', quantity: 2, price: 150 }

]

}

]

customerOrder> db.customers.find({age:{$in:[20,21]}})

[

{

\_id: ObjectId("653d02bb8017e404b2476a30"),

name: 'Sumit Sunke',

email: 'sumit@gmail.com',

contact: 9011099001,

age: 21,

address: { city: 'Kolhapur', zip: 416108 },

interestCategories: [ 'Mobile', 'Laptop', 'Shirts', 'Watch' ],

orders: [ { ordID: 1, prodName: 'Mobile', quantity: 1, price: 15000 } ]

},

{

\_id: ObjectId("653d09458017e404b2476a31"),

name: 'Rushi Mane',

email: 'rushi@yahoo.com',

contact: 9879878765,

age: 20,

address: { city: 'baramati', zip: 413133 },

interestCategories: [ 'Bike', 'Mobile', 'Watch' ],

orders: [

{ ordID: 2, prodName: 'Watch', quantity: 1, price: 350 },

{ ordID: 3, prodName: 'Belt', quantity: 2, price: 150 }

]

},

{

\_id: ObjectId("653d09458017e404b2476a32"),

name: 'Mahesh Bhosale',

email: 'mahesh@gmail.com',

contact: 3213132134,

age: 21,

address: { city: 'Kolhapur', zip: 416101 },

interestCategories: [ 'Laptop', 'Mobile', 'Book' ],

orders: [ { ordID: 4, prodName: 'Shirt', quantity: 3, price: 550 } ]

},

{

\_id: ObjectId("653d4d408017e404b2476a33"),

name: 'Pavan Thorat',

email: 'pavan@gmail.com',

contact: 9879435335,

age: 21,

address: { city: 'sinnar', zip: 404115 },

interestCategories: [ 'Movies', 'Mobile', 'Shirts' ],

orders: [

{ ordID: 4, prodName: 'Movies', quantity: 1, price: 450 },

{ ordID: 3, prodName: 'Shirt', quantity: 2, price: 190 }

]

},

{

\_id: ObjectId("653d4d408017e404b2476a34"),

name: 'Abhishek Bhosale',

email: 'abhi@gmail.com',

contact: 32131343234,

age: 21,

address: { city: 'Kolhapur', zip: 416101 },

interestCategories: [ 'Laptop', 'Mobile', 'Food' ],

orders: [ { ordID: 4, prodName: 'mobile', quantity: 1, price: 15550 } ]

}

]

customerOrder> db.customers.find({age:{$nin:[20]}})

[

{

\_id: ObjectId("653d02bb8017e404b2476a30"),

name: 'Sumit Sunke',

email: 'sumit@gmail.com',

contact: 9011099001,

age: 21,

address: { city: 'Kolhapur', zip: 416108 },

interestCategories: [ 'Mobile', 'Laptop', 'Shirts', 'Watch' ],

orders: [ { ordID: 1, prodName: 'Mobile', quantity: 1, price: 15000 } ]

},

{

\_id: ObjectId("653d09458017e404b2476a32"),

name: 'Mahesh Bhosale',

email: 'mahesh@gmail.com',

contact: 3213132134,

age: 21,

address: { city: 'Kolhapur', zip: 416101 },

interestCategories: [ 'Laptop', 'Mobile', 'Book' ],

orders: [ { ordID: 4, prodName: 'Shirt', quantity: 3, price: 550 } ]

},

{

\_id: ObjectId("653d4d408017e404b2476a33"),

name: 'Pavan Thorat',

email: 'pavan@gmail.com',

contact: 9879435335,

age: 21,

address: { city: 'sinnar', zip: 404115 },

interestCategories: [ 'Movies', 'Mobile', 'Shirts' ],

orders: [

{ ordID: 4, prodName: 'Movies', quantity: 1, price: 450 },

{ ordID: 3, prodName: 'Shirt', quantity: 2, price: 190 }

]

},

{

\_id: ObjectId("653d4d408017e404b2476a34"),

name: 'Abhishek Bhosale',

email: 'abhi@gmail.com',

contact: 32131343234,

age: 21,

address: { city: 'Kolhapur', zip: 416101 },

interestCategories: [ 'Laptop', 'Mobile', 'Food' ],

orders: [ { ordID: 4, prodName: 'mobile', quantity: 1, price: 15550 } ]

}

]

customerOrder> db.customers.find({$and:[{age:21,name:"Pavan Thorat"}]})

[

{

\_id: ObjectId("653d4d408017e404b2476a33"),

name: 'Pavan Thorat',

email: 'pavan@gmail.com',

contact: 9879435335,

age: 21,

address: { city: 'sinnar', zip: 404115 },

interestCategories: [ 'Movies', 'Mobile', 'Shirts' ],

orders: [

{ ordID: 4, prodName: 'Movies', quantity: 1, price: 450 },

{ ordID: 3, prodName: 'Shirt', quantity: 2, price: 190 }

]

}

]

customerOrder> db.customers.find({$or:[{age: 21}, {name: "Pavan Thorat"}]})

[

{

\_id: ObjectId("653d02bb8017e404b2476a30"),

name: 'Sumit Sunke',

email: 'sumit@gmail.com',

contact: 9011099001,

age: 21,

address: { city: 'Kolhapur', zip: 416108 },

interestCategories: [ 'Mobile', 'Laptop', 'Shirts', 'Watch' ],

orders: [ { ordID: 1, prodName: 'Mobile', quantity: 1, price: 15000 } ]

},

{

\_id: ObjectId("653d09458017e404b2476a32"),

name: 'Mahesh Bhosale',

email: 'mahesh@gmail.com',

contact: 3213132134,

age: 21,

address: { city: 'Kolhapur', zip: 416101 },

interestCategories: [ 'Laptop', 'Mobile', 'Book' ],

orders: [ { ordID: 4, prodName: 'Shirt', quantity: 3, price: 550 } ]

},

{

\_id: ObjectId("653d4d408017e404b2476a33"),

name: 'Pavan Thorat',

email: 'pavan@gmail.com',

contact: 9879435335,

age: 21,

address: { city: 'sinnar', zip: 404115 },

interestCategories: [ 'Movies', 'Mobile', 'Shirts' ],

orders: [

{ ordID: 4, prodName: 'Movies', quantity: 1, price: 450 },

{ ordID: 3, prodName: 'Shirt', quantity: 2, price: 190 }

]

},

{

\_id: ObjectId("653d4d408017e404b2476a34"),

name: 'Abhishek Bhosale',

email: 'abhi@gmail.com',

contact: 32131343234,

age: 21,

address: { city: 'Kolhapur', zip: 416101 },

interestCategories: [ 'Laptop', 'Mobile', 'Food' ],

orders: [ { ordID: 4, prodName: 'mobile', quantity: 1, price: 15550 } ]

}

]

customerOrder> db.customers.find({$and : [{age:{$gt:20}},{"address.city":"Kolhapur"}]},{\_id:0, name:1})

[

{ name: 'Sumit Sunke' },

{ name: 'Mahesh Bhosale' },

{ name: 'Abhishek Bhosale' }

]

customerOrder> db.customers.find({$or:[{name:"Sumit Sunke"},{name:"Pavan Thorat"}]})

[

{

\_id: ObjectId("653d02bb8017e404b2476a30"),

name: 'Sumit Sunke',

email: 'sumit@gmail.com',

contact: 9011099001,

age: 21,

address: { city: 'Kolhapur', zip: 416108 },

interestCategories: [ 'Mobile', 'Laptop', 'Shirts', 'Watch' ],

orders: [ { ordID: 1, prodName: 'Mobile', quantity: 1, price: 15000 } ]

},

{

\_id: ObjectId("653d4d408017e404b2476a33"),

name: 'Pavan Thorat',

email: 'pavan@gmail.com',

contact: 9879435335,

age: 21,

address: { city: 'sinnar', zip: 404115 },

interestCategories: [ 'Movies', 'Mobile', 'Shirts' ],

orders: [

{ ordID: 4, prodName: 'Movies', quantity: 1, price: 450 },

{ ordID: 3, prodName: 'Shirt', quantity: 2, price: 190 }

]

}

]

customerOrder> db.customers.find({$or:[{age:{$lt:21}},{"address.city":"Kolhpaur"}]},{\_id:0,name:1})

[ { name: 'Rushi Mane' } ]

customerOrder> db.customers.find({$or:[{age:{$eq:21}},{"address.city":"Kolhpaur"}]},{\_id:0,name:1})

[

{ name: 'Sumit Sunke' },

{ name: 'Mahesh Bhosale' },

{ name: 'Pavan Thorat' },

{ name: 'Abhishek Bhosale' }

]

customerOrder> db.customers.find({$and:[{age:{$lt:21},"address.city":"baramati"}]},{\_id:0,name:1})

[ { name: 'Rushi Mane' } ]

customerOrder>

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Upsert and Multi\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

customerOrder> db.customers.update({name:"Sumit Sunke"},{$set:{age:20}})

DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.

{

acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0

}

customerOrder> db.customers.find({name:"Sumit Sunke"},{\_id:0,name:1,age:1})

[ { name: 'Sumit Sunke', age: 20 } ]

customerOrder> db.customers.update({"address.city":"Kolhapur"},{$set:{"address.city":"Kop"}})

{

acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0

}

customerOrder> db.customers.find({name:"Sumit Sunke"},{\_id:0,name:1,age:1,"address.city":1})

[ { name: 'Sumit Sunke', age: 20, address: { city: 'Kop' } } ]

customerOrder> db.customers.find({name:"Mahesh Bhosale"},{\_id:0,name:1,age:1,"address.city":1})

[ { name: 'Mahesh Bhosale', age: 21, address: { city: 'Kolhapur' } } ]

customerOrder> db.customers.find({name:"Sumit Sunke"},{\_id:0,name:1,age:1,"address.city":1},{multi:true})

[ { name: 'Sumit Sunke', age: 20, address: { city: 'Kop' } } ]

customerOrder> db.customers.update({"address.city":"Kolhapur"},{$set:{"address.city":"Kop"}},{multi:true})

{

acknowledged: true,

insertedId: null,

matchedCount: 2,

modifiedCount: 2,

upsertedCount: 0

}

customerOrder> db.customers.find({"address.city":"Kop"},{\_id:0,name:1,age:1,"address.city":1})

[

{ name: 'Sumit Sunke', age: 20, address: { city: 'Kop' } },

{ name: 'Mahesh Bhosale', age: 21, address: { city: 'Kop' } },

{ name: 'Abhishek Bhosale', age: 21, address: { city: 'Kop' } }

]

customerOrder> db.customers.update({"address.city":"Kolhapur"},{$set:{"address.city":"Kop",name:"Not existing account"}},{upsert:true})

{

acknowledged: true,

insertedId: ObjectId("653f9d765fd8f0dec2ccc356"),

matchedCount: 0,

modifiedCount: 0,

upsertedCount: 1

}

customerOrder> db.customers.find()

[

{

\_id: ObjectId("653d02bb8017e404b2476a30"),

name: 'Sumit Sunke',

email: 'sumit@gmail.com',

contact: 9011099001,

age: 20,

address: { city: 'Kop', zip: 416108 },

interestCategories: [ 'Mobile', 'Laptop', 'Shirts', 'Watch' ],

orders: [ { ordID: 1, prodName: 'Mobile', quantity: 1, price: 15000 } ]

},

{

\_id: ObjectId("653d09458017e404b2476a31"),

name: 'Rushi Mane',

email: 'rushi@yahoo.com',

contact: 9879878765,

age: 20,

address: { city: 'baramati', zip: 413133 },

interestCategories: [ 'Bike', 'Mobile', 'Watch' ],

orders: [

{ ordID: 2, prodName: 'Watch', quantity: 1, price: 350 },

{ ordID: 3, prodName: 'Belt', quantity: 2, price: 150 }

]

},

{

\_id: ObjectId("653d09458017e404b2476a32"),

name: 'Mahesh Bhosale',

email: 'mahesh@gmail.com',

contact: 3213132134,

age: 21,

address: { city: 'Kop', zip: 416101 },

interestCategories: [ 'Laptop', 'Mobile', 'Book' ],

orders: [ { ordID: 4, prodName: 'Shirt', quantity: 3, price: 550 } ]

},

{

\_id: ObjectId("653d4d408017e404b2476a33"),

name: 'Pavan Thorat',

email: 'pavan@gmail.com',

contact: 9879435335,

age: 21,

address: { city: 'sinnar', zip: 404115 },

interestCategories: [ 'Movies', 'Mobile', 'Shirts' ],

orders: [

{ ordID: 4, prodName: 'Movies', quantity: 1, price: 450 },

{ ordID: 3, prodName: 'Shirt', quantity: 2, price: 190 }

]

},

{

\_id: ObjectId("653d4d408017e404b2476a34"),

name: 'Abhishek Bhosale',

email: 'abhi@gmail.com',

contact: 32131343234,

age: 21,

address: { city: 'Kop', zip: 416101 },

interestCategories: [ 'Laptop', 'Mobile', 'Food' ],

orders: [ { ordID: 4, prodName: 'mobile', quantity: 1, price: 15550 } ]

},

{

\_id: ObjectId("653f9d765fd8f0dec2ccc356"),

address: { city: 'Kop' },

name: 'Not existing account'

}

]

customerOrder>

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*all\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

customerOrder> db.customers.find({interestCategories:{$all:["Mobile","Watch"]}},{\_id:0,name:1})

[ { name: 'Sumit Sunke' }, { name: 'Rushi Mane' } ]

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*size\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

customerOrder> db.customers.find({interestCategories:{$size:3}},{\_id:0,name:1})

[

{ name: 'Rushi Mane' },

{ name: 'Mahesh Bhosale' },

{ name: 'Pavan Thorat' },

{ name: 'Abhishek Bhosale' }

]

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*slice\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

customerOrder> db.customers.find({name:"Sumit Sunke"},{interestCategories:{$slice:2}})

[

{

\_id: ObjectId("653d02bb8017e404b2476a30"),

name: 'Sumit Sunke',

email: 'sumit@gmail.com',

contact: 9011099001,

age: 20,

address: { city: 'Kop', zip: 416108 },

interestCategories: [ 'Mobile', 'Laptop' ],

orders: [ { ordID: 1, prodName: 'Mobile', quantity: 1, price: 15000 } ]

}

]

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*PUSH\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

customerOrder> db.customers.update({name:"Sumit Sunke"},{$push:{interestCategories:"Books"}})

{

acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0

}

customerOrder> db.customers.find({name:"Sumit Sunke"},{interestCategories:1})

[

{

\_id: ObjectId("653d02bb8017e404b2476a30"),

interestCategories: [ 'Mobile', 'Laptop', 'Shirts', 'Watch', 'Books' ]

}

]

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*UNWIND\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

customerOrder> db.customers.aggregate({$match:{name:"Abhishek Bhosale"}},{$unwind:"$interestCategories"})

[

{

\_id: ObjectId("653d4d408017e404b2476a34"),

name: 'Abhishek Bhosale',

email: 'abhi@gmail.com',

contact: 32131343234,

age: 21,

address: { city: 'Kop', zip: 416101 },

interestCategories: 'Laptop',

orders: [ { ordID: 4, prodName: 'mobile', quantity: 1, price: 15550 } ]

},

{

\_id: ObjectId("653d4d408017e404b2476a34"),

name: 'Abhishek Bhosale',

email: 'abhi@gmail.com',

contact: 32131343234,

age: 21,

address: { city: 'Kop', zip: 416101 },

interestCategories: 'Mobile',

orders: [ { ordID: 4, prodName: 'mobile', quantity: 1, price: 15550 } ]

},

{

\_id: ObjectId("653d4d408017e404b2476a34"),

name: 'Abhishek Bhosale',

email: 'abhi@gmail.com',

contact: 32131343234,

age: 21,

address: { city: 'Kop', zip: 416101 },

interestCategories: 'Food',

orders: [ { ordID: 4, prodName: 'mobile', quantity: 1, price: 15550 } ]

}

]

customerOrder> db.customers.find({name:"Abhishek Bhosale"},{\_id:0,name:1,interestCategories:1})

[

{

name: 'Abhishek Bhosale',

interestCategories: [ 'Laptop', 'Mobile', 'Food' ]

}

]

customerOrder>