

MongoDB

1) Find all the information about each products

```
db.collections.findAll();
```

localhost:27017 > Product_MongoDB > Product

Documents 25 Aggregations Schema Indexes 1 Validation

```
db.collections.findAll();
```

1 - 20 of 25

* Product	_id ObjectId	id String	product_name String	product_price Int32	product_material String	product_color String
1	ObjectId('665b1b8c7424be...')	"1"	"Intelligent Fresh Chips"	655	"Concrete"	"mint green"
2	ObjectId('665b1b8c7424be...')	"2"	"Practical Fresh Sausage.."	911	"Cotton"	"indigo"
3	ObjectId('665b1b8c7424be...')	"3"	"Refined Steel Car"	690	"Rubber"	"gold"
4	ObjectId('665b1b8c7424be...')	"4"	"Gorgeous Plastic Pants"	492	"Soft"	"plum"
5	ObjectId('665b1b8c7424be...')	"5"	"Sleek Cotton Chair"	33	"Fresh"	"black"
6	ObjectId('665b1b8c7424be...')	"6"	"Awesome Wooden Towels"	474	"Plastic"	"orange"
7	ObjectId('665b1b8c7424be...')	"7"	"Practical Soft Shoes"	500	"Rubber"	"pink"
8	ObjectId('665b1b8c7424be...')	"8"	"Incredible Steel Hat"	78	"Rubber"	"violet"
9	ObjectId('665b1b8c7424be...')	"9"	"Awesome Wooden Ball"	28	"Soft"	"azure"
10	ObjectId('665b1b8c7424be...')	"10"	"Generic Wooden Pizza"	84	"Frozen"	"indigo"
11	ObjectId('665b1b8c7424be...')	"11"	"Unbranded Wooden Cheese"	26	"Soft"	"black"
12	ObjectId('665b1b8c7424be...')	"12"	"Unbranded Plastic Salad"	89	"Wooden"	"pink"
13	ObjectId('665b1b8c7424be...')	"13"	"Gorgeous Cotton Keyboar.."	37	"Concrete"	"sky blue"
14	ObjectId('665b1b8c7424be...')	"14"	"Incredible Steel Shirt"	54	"Metal"	"white"
15	ObjectId('665b1b8c7424be...')	"15"	"Ergonomic Cotton Hat"	43	"Rubber"	"mint green"
16	ObjectId('665b1b8c7424be...')	"16"	"Small Soft Chair"	47	"Cotton"	"teal"
17	ObjectId('665b1b8c7424be...')	"17"	"Incredible Metal Car"	36	"Fresh"	"indigo"
18	ObjectId('665b1b8c7424be...')	"18"	"Licensed Plastic Bacon"	88	"Steel"	"yellow"
19	ObjectId('665b1b8c7424be...')	"19"	"Intelligent Cotton Chip.."	46	"Soft"	"azure"
20	ObjectId('665b1b8c7424be...')	"20"	"Handcrafted Wooden Baco.."	36	"Concrete"	"lime"

localhost:27017 > Product_MongoDB > Product

Documents 25 Aggregations Schema Indexes 1 Validation

```
db.collections.findAll();
```

21 - 25 of 25

* Product	_id ObjectId	id String	product_name String	product_price Int32	product_material String	product_color String
21	ObjectId('665b1b8c7424be...')	"21"	"Unbranded Granite Chick.."	90	"Metal"	"gold"
22	ObjectId('665b1b8c7424be...')	"22"	"Ergonomic Soft Hat"	99	"Rubber"	"black"
23	ObjectId('665b1b8c7424be...')	"23"	"Intelligent Steel Pizza"	95	"Cotton"	"azure"
24	ObjectId('665b1b8c7424be...')	"24"	"Tasty Rubber Cheese"	47	"Frozen"	"orchid"
25	ObjectId('665b1b8c7424be...')	"25"	"Licensed Steel Car"	20	"Cotton"	"indigo"

2) Find the product price which are between 400 to 800

```
db.collection.findAll({product_price:{$gte:{price:400}, $lt:{price:600}}});
```

localhost:27017 > Product_MongoDB > Product

Documents 25 Aggregations Schema Indexes 1 Validation

```
db.collections.findAll({product_price:{$gte:{price:400}, $lt:{price:600}}});
```

{ "product_price": { "\$gte": 400, "\$lt": 600 } }

1 - 3 of 3

* Product	_id ObjectId	id String	product_name String	product_price Int32	product_material String	product_color String
1	ObjectId('665b1b8c7424be...')	"4"	"Gorgeous Plastic Pants"	492	"Soft"	"plum"
2	ObjectId('665b1b8c7424be...')	"6"	"Awesome Wooden Towels"	474	"Plastic"	"orange"
3	ObjectId('665b1b8c7424be...')	"7"	"Practical Soft Shoes"	500	"Rubber"	"pink"

3) Find the product price which are not between 400 to 600

```
db.collection.find({product_price:{not in ${gte:{price:400}, $lt:{price:600}}}});
```

localhost:27017 > Product_MongoDB > Product

Documents 25 Aggregations Schema Indexes 1 Validation

```
db.collection.find([product_price:[not in ${gte:{price:400}, $lt:{price:600}}]]);
```

```
{ "product_price": { "$not": { "$gte": 400, "$lt": 600 } } }
```

1-20 of 22

Product	_id	ObjectID	id	String	product_name	String	product_price	Int32	product_material	String	product_color	String
1	ObjectID('665b1b8c7424be...	"1"	"Intelligent Fresh Chips"	655	"Concrete"	"mint green"						
2	ObjectID('665b1b8c7424be...	"2"	"Practical Fresh Sausage...	911	"Cotton"	"indigo"						
3	ObjectID('665b1b8c7424be...	"3"	"Refined Steel Car"	690	"Rubber"	"gold"						
4	ObjectID('665b1b8c7424be...	"4"	"Sleek Cotton Chair"	33	"Fresh"	"black"						
5	ObjectID('665b1b8c7424be...	"5"	"Incredible Steel Hat"	78	"Rubber"	"violet"						
6	ObjectID('665b1b8c7424be...	"6"	"Awesome Wooden Ball"	28	"Soft"	"azure"						
7	ObjectID('665b1b8c7424be...	"7"	"Generic Wooden Pizza"	84	"Frozen"	"indigo"						
8	ObjectID('665b1b8c7424be...	"8"	"Unbranded Wooden Cheese"	26	"Soft"	"black"						
9	ObjectID('665b1b8c7424be...	"9"	"Unbranded Plastic Salad"	89	"Wooden"	"pink"						
10	ObjectID('665b1b8c7424be...	"10"	"Gorgeous Cotton Keyboar...	37	"Concrete"	"sky blue"						
11	ObjectID('665b1b8c7424be...	"11"	"Incredible Steel Shirt"	54	"Metal"	"white"						
12	ObjectID('665b1b8c7424be...	"12"	"Ergonomic Cotton Hat"	43	"Rubber"	"mint green"						
13	ObjectID('665b1b8c7424be...	"13"	"Small Soft Chair"	47	"Cotton"	"teal"						
14	ObjectID('665b1b8c7424be...	"14"	"Incredible Metal Car"	36	"Fresh"	"indigo"						
15	ObjectID('665b1b8c7424be...	"15"	"Licensed Plastic Bacon"	88	"Steel"	"yellow"						
16	ObjectID('665b1b8c7424be...	"16"	"Intelligent Cotton Chip...	46	"Soft"	"azure"						
17	ObjectID('665b1b8c7424be...	"17"	"Handcrafted Wooden Baco...	36	"Concrete"	"lime"						
18	ObjectID('665b1b8c7424be...	"18"	"Unbranded Granite Chick...	90	"Metal"	"gold"						
19	ObjectID('665b1b8c7424be...	"19"	"Ergonomic Soft Hat"	99	"Rubber"	"black"						
20	ObjectID('665b1b8c7424be...	"20"	"Intelligent Steel Pizza"	95	"Cotton"	"azure"						

localhost:27017 > Product_MongoDB > Product

Documents 25 Aggregations Schema Indexes 1 Validation

```
db.collection.find([product_price:[not in ${gte:{price:400}, $lt:{price:600}}]]);
```

```
{ "product_price": { "$not": { "$gte": 400, "$lt": 600 } } }
```

21-22 of 22

Product	_id	ObjectID	id	String	product_name	String	product_price	Int32	product_material	String	product_color	String
21	ObjectID('665b1b8c7424be...	"21"	"Tasty Rubber Cheese"	47	"Frozen"	"orchid"						
22	ObjectID('665b1b8c7424be...	"22"	"Licensed Steel Car"	20	"Cotton"	"indigo"						

4) List the four product which are greater than 500 in price

```
db.collection('product').aggregate( [{ $match: { product_price: { $gt: 500 } } }, { $limit: 4 } ] );
```

(or)

```
db.collection.find({product_price:{ $gte:{product_price:500}}},{limit:4});
```

localhost:27017 > Product_MongoDB > Product

Documents 25 Aggregations Schema Indexes 1 Validation

\$match \$limit Edit Explain Export Run Options

ALL RESULTS OUTPUT OPTIONS Showing 1 - 3 of 3 VIEW

```
id : "1"
product_name : "Intelligent Fresh Chips"
product_price : 655
product_material : "Concrete"
product_color : "mint green"
```

```
_id: ObjectId('665b1b8c7424beac7daddf4')
id : "2"
product_name : "Practical Fresh Sausages"
product_price : 911
product_material : "Cotton"
product_color : "indigo"
```

```
_id: ObjectId('665b1b8c7424beac7daddf5')
id : "3"
product_name : "Refined Steel Car"
product_price : 690
product_material : "Rubber"
product_color : "gold"
```

5) Find the product name and product material of each products

```
db.collection.find({}, {product_name:1, product_material:1});
```

localhost:27017 > Product_MongoDB > Product

Documents 25 Aggregations Schema Indexes 1 Validation

```
db.collection.find({}, {product_name:1, product_material:1});
```

Project { "product_name": 1, "product_material": 1 }

Sort { field: -1 } or [['field', -1]]

Collation { locale: 'simple' }

Index Hint { field: -1 }

Max Time MS 60000

Skip 0 Limit 0

EXPORT DATA

* Product	_id ObjectId	product_name String	product_material String
1	ObjectId('665b1b8c7424be...')	"Intelligent Fresh Chips"	"Concrete"
2	ObjectId('665b1b8c7424be...')	"Practical Fresh Sausage...	"Cotton"
3	ObjectId('665b1b8c7424be...')	"Refined Steel Car"	"Rubber"
4	ObjectId('665b1b8c7424be...')	"Gorgeous Plastic Pants"	"Soft"
5	ObjectId('665b1b8c7424be...')	"Sleek Cotton Chair"	"Fresh"
6	ObjectId('665b1b8c7424be...')	"Awesome Wooden Towels"	"Plastic"
7	ObjectId('665b1b8c7424be...')	"Practical Soft Shoes"	"Rubber"
8	ObjectId('665b1b8c7424be...')	"Incredible Steel Hat"	"Rubber"
9	ObjectId('665b1b8c7424be...')	"Awesome Wooden Ball"	"Soft"
10	ObjectId('665b1b8c7424be...')	"Generic Wooden Pizza"	"Frozen"
11	ObjectId('665b1b8c7424be...')	"Unbranded Wooden Cheese"	"Soft"
12	ObjectId('665b1b8c7424be...')	"Unbranded Plastic Salad"	"Wooden"
13	ObjectId('665b1b8c7424be...')	"Gorgeous Cotton Keyboar...	"Concrete"
14	ObjectId('665b1b8c7424be...')	"Incredible Steel Shirt"	"Metal"
15	ObjectId('665b1b8c7424be...')	"Ergonomic Cotton Hat"	"Rubber"
16	ObjectId('665b1b8c7424be...')	"Small Soft Chair"	"Cotton"
17	ObjectId('665b1b8c7424be...')	"Incredible Metal Car"	"Fresh"
18	ObjectId('665b1b8c7424be...')	"Licensed Plastic Bacon"	"Steel"
19	ObjectId('665b1b8c7424be...')	"Intelligent Cotton chip...	"Soft"
20	ObjectId('665b1b8c7424be...')	"Handcrafted Wooden Baco...	"Concrete"

localhost:27017 > Product_MongoDB > Product

Documents 25 Aggregations Schema Indexes 1 Validation

```
db.collection.find({}, {product_name:1, product_material:1});
```

Project { "product_name": 1, "product_material": 1 }

Sort { field: -1 } or [['field', -1]]

Collation { locale: 'simple' }

Index Hint { field: -1 }

Max Time MS 60000

Skip 0 Limit 0

EXPORT DATA

* Product	_id ObjectId	product_name String	product_material String
21	ObjectId('665b1b8c7424be...')	"Unbranded Granite Chick...	"Metal"
22	ObjectId('665b1b8c7424be...')	"Ergonomic Soft Hat"	"Rubber"
23	ObjectId('665b1b8c7424be...')	"Intelligent Steel Pizza"	"Cotton"
24	ObjectId('665b1b8c7424be...')	"Tasty Rubber Cheese"	"Frozen"
25	ObjectId('665b1b8c7424be...')	"Licensed Steel Car"	"Cotton"

6) Find the product with a row id of 10

```
db.collection.find({id:"10"});
```

localhost:27017 > Product_MongoDB > Product

Documents 25 Aggregations Schema Indexes 1 Validation

```
db.collection.find({id:"10"});
```

Project { field: 0 }

Sort { field: -1 } or [['field', -1]]

Collation { locale: 'simple' }

Index Hint { field: -1 }

Max Time MS 60000

Skip 0 Limit 0

ADD DATA EXPORT DATA UPDATE DELETE

1 - 1 of 1

* Product	id String	product_name String	product_price Int32	product_material String	product_color String
1	"10"	"Generic Wooden Pizza"	84	"Frozen"	"indigo"

7) Find only the product name and product material

```
db.collection.find({}, {product_name:1, product_material:1, _id:0});
```

The screenshot shows the MongoDB Compass interface. The query bar contains the query: `db.collection.find({}, {product_name:1, product_material:1, _id:0});`. The query is executed, and the results are displayed in a table with 20 rows. The table has columns: `product_name` (String) and `product_material` (String). The results show various products and their materials, such as "Intelligent Fresh Chips" with material "Concrete", "Practical Fresh Sausage" with material "Cotton", and "Awesome Wooden Ball" with material "Soft".

product_name	product_material
"Intelligent Fresh Chips"	"Concrete"
"Practical Fresh Sausage"	"Cotton"
"Refined Steel Car"	"Rubber"
"Gorgeous Plastic Pants"	"Soft"
"Sleek Cotton Chair"	"Fresh"
"Awesome Wooden Towels"	"Plastic"
"Practical Soft Shoes"	"Rubber"
"Incredible Steel Hat"	"Rubber"
"Awesome Wooden Ball"	"Soft"
"Generic Wooden Pizza"	"Frozen"
"Unbranded Wooden Cheese"	"Soft"
"Unbranded Plastic Salad"	"Wooden"
"Gorgeous Cotton Keyboard"	"Concrete"
"Incredible Steel Shirt"	"Metal"
"Ergonomic Cotton Hat"	"Rubber"
"Small Soft Chair"	"Cotton"
"Incredible Metal Car"	"Fresh"
"Licensed Plastic Bacon"	"Steel"
"Intelligent Cotton Chip"	"Soft"
"Handcrafted Wooden Bacon"	"Concrete"

8) Find all products which contain the value of soft in product material

```
db.collection.find({product_material:{$regex:"soft",$options:"i"}});  
(or)  
db.collection.find({product_material:{$regex:"Soft"}});
```

The screenshot shows the MongoDB Compass interface. The query bar contains the query: `db.collection.find({product_material:{$regex:"soft",$options:"i"}});`. The query is executed, and the results are displayed in a table with 4 rows. The table has columns: `id` (String), `product_name` (String), `product_price` (Int32), `product_material` (String), and `product_color` (String). The results show products with "Soft" in their material, such as "Gorgeous Plastic Pants" with material "Soft" and color "plum", "Awesome Wooden Ball" with material "Soft" and color "azure", "Unbranded Wooden Cheese" with material "Soft" and color "black", and "Intelligent Cotton Chips" with material "Soft" and color "azure".

id	product_name	product_price	product_material	product_color
"4"	"Gorgeous Plastic Pants"	492	"Soft"	"plum"
"9"	"Awesome Wooden Ball"	28	"Soft"	"azure"
"11"	"Unbranded Wooden Cheese"	26	"Soft"	"black"
"19"	"Intelligent Cotton Chips"	46	"Soft"	"azure"

9) Find products which contain product color indigo and product price 492.00

```
db.collection.find({product_color:"indigo", product_price:492.00});
```

Mongodb > Product_MongoDB > Product

Documents 25 Aggregations Schema Indexes 1 Validation

db.collection.findAll({"product_color":"indigo","product_price":492})

×

Generate

ⓘ

{"product_color": "indigo", "product_price": 492}

💡

Explain

Reset

Find

⌘

Options

Project

{ field: 0 }

Sort

{ field: -1 } or [['field', -1]]

Max Time MS

60000

Collation

{ locale: 'simple' }

Skip

0

Limit

0

Index Hint

{ field: -1 }

➕ ADD DATA

📄 EXPORT DATA

✎ UPDATE

🗑 DELETE

0 - 0 of 0

↺

↻

⌵

⌶

⌷



10) Delete the products which product price value are 28

```
db.collection.deleteMany( { product_price: 28 } )
```