# MongoDB Day1-Task

1. Find all the information about each products.

**Query: db.products.find()**

1. Find the product price which are between 400 to 800.

**Query: db.products.find( { $and: [ { product\_price: { $gt: 400 } }, { product\_price: { $lt: 800 } } ] } )**

1. Find the product price which are not between 400 to 600.

**Query: db.products.find( { $or: [ { product\_price: { $lt: 400 } }, { product\_price: { $gt: 600 } } ] } )**

1. List the four product which are greater than 500 in price.

**Query: db.products.find({ product\_price: { $gt: 500 } })**

1. Find the product name and product material of each products.

**Query: db.products.find({}, {\_id: 0, product\_name: 1, product\_material: 1})**

1. Find the product with a row id of 10.

**Query: db.products.find({id:"10"})**

1. Find only the product name and product material.

**Query: db.products.find({}, {\_id: 0, product\_name: 1, product\_material: 1})**

1. Find all products which contain the value of soft in product material.

**Query: db.products.find({product\_material:"Soft"})**

1. Find products which contain product color indigo  and product price 492.00.

**Query: db.products.find( { $or: [ { product\_color: 'indigo' }, { product\_price: { $eq: 492.00 } } ] } )**

10.Delete the products which product price value are 28.

**Query: db.products.deleteMany({product\_price:28})**

**-------------------------------------------------------------------------------------------------------------------------------------------------**

**BELOW ARE THE QUERIES WITH OUTPUT:**

1. Find all the information about each products:

**Query : db.products.find()**

Output :

{

\_id: ObjectId('6689f0d8ab6c71fc5a75c091'),

"id": "1",

"product\_name": "Intelligent Fresh Chips",

"product\_price": 655.00,

"product\_material": "Concrete",

"product\_color": "mint green"

}

{

\_id: ObjectId('6689f0d8ab6c71fc5a75c092'),

id: '2',

product\_name: 'Practical Fresh Sausages',

product\_price: 911,

product\_material: 'cotton',

product\_color: 'indigo'

}

{

\_id: ObjectId('6689f0d8ab6c71fc5a75c093'),

id: '3',

product\_name: 'Refined steel car',

product\_price: 690,

product\_material: 'Rubber',

product\_color: 'gold'

}

{

\_id: ObjectId('6689f0d8ab6c71fc5a75c094'),

id: '4',

product\_name: 'Gorgeous Plastic Pants',

product\_price: 492,

product\_material: 'Soft',

product\_color: 'plum'

}

{

\_id: ObjectId('6689f0d8ab6c71fc5a75c095'),

id: '5',

product\_name: 'Sleek Cotton Chair',

product\_price: 33,

product\_material: 'Fresh',

product\_color: 'black'

}

{

\_id: ObjectId('6689f423ab6c71fc5a75c096'),

id: '6',

product\_name: 'Awesome Wooden Towels',

product\_price: 474,

product\_material: 'Plastic',

product\_color: 'orange'

}

{

\_id: ObjectId('6689f423ab6c71fc5a75c097'),

id: '7',

product\_name: 'Practical Soft Shoes',

product\_price: 500,

product\_material: 'Rubber',

product\_color: 'pink'

}

{

\_id: ObjectId('6689f423ab6c71fc5a75c098'),

id: '8',

product\_name: 'Incredible steel hat',

product\_price: 78,

product\_material: 'Rubber',

product\_color: 'violet'

}

{

\_id: ObjectId('6689f423ab6c71fc5a75c099'),

"id": "9",

"product\_name": "Awesome Wooden Ball",

"product\_price": 28.00,

"product\_material": "Soft",

"product\_color": "azure"

}

{

\_id: ObjectId('6689f423ab6c71fc5a75c09a'),

id: '10',

product\_name: 'Generic Wooden Pizza',

product\_price: 84,

product\_material: 'Frozen',

product\_color: 'indigo'

}

{

\_id: ObjectId('6689f5c0ab6c71fc5a75c09b'),

id: '11',

product\_name: 'Unbranded Wooden Cheese',

product\_price: 26,

product\_material: 'Soft',

product\_color: 'black'

}

{

\_id: ObjectId('6689f5c0ab6c71fc5a75c09c'),

id: '12',

product\_name: 'Unbranded Plastic Salad',

product\_price: 89,

product\_material: 'Wooden',

product\_color: 'pink'

}

{

\_id: ObjectId('6689f5c0ab6c71fc5a75c09d'),

id: '13',

product\_name: 'Gorgeous Cotton Keyboard',

product\_price: 37,

product\_material: 'Concrete',

product\_color: 'sky blue'

}

{

\_id: ObjectId('6689f5c0ab6c71fc5a75c09e'),

id: '14',

product\_name: 'Incredible steel shirt',

product\_price: 54,

product\_material: 'Metal',

product\_color: 'white'

}

{

\_id: ObjectId('6689f5c0ab6c71fc5a75c09f'),

id: '15',

product\_name: 'Ergonomic cotton hat',

product\_price: 43,

product\_material: 'Rubber',

product\_color: 'mint green'

}

{

\_id: ObjectId('6689f69eab6c71fc5a75c0a0'),

id: '16',

product\_name: 'Small Soft Chair',

product\_price: 47,

product\_material: 'Cotton',

product\_color: 'teal'

}

{

\_id: ObjectId('6689f69eab6c71fc5a75c0a1'),

id: '17',

product\_name: 'Incredible Metal Car',

product\_price: 36,

product\_material: 'Fresh',

product\_color: 'indigo'

}

{

\_id: ObjectId('6689f69eab6c71fc5a75c0a2'),

id: '18',

product\_name: 'Licensed Plastic Bacon',

product\_price: 88,

product\_material: 'Steel',

product\_color: 'yellow'

}

{

\_id: ObjectId('6689f69eab6c71fc5a75c0a3'),

id: '19',

product\_name: 'Intelligent Cotton Chips',

product\_price: 46,

product\_material: 'Soft',

product\_color: 'azure'

}

{

\_id: ObjectId('6689f69eab6c71fc5a75c0a4'),

id: '20',

product\_name: 'HandCrafted wooden Bacon',

product\_price: 36,

product\_material: 'Concrete',

product\_color: 'lime'

}

{

\_id: ObjectId('6689f785ab6c71fc5a75c0a5'),

id: '21',

product\_name: 'Unbranded Granite Chicken',

product\_price: 90,

product\_material: 'Metal',

product\_color: 'gold'

}

{

\_id: ObjectId('6689f785ab6c71fc5a75c0a6'),

id: '22',

product\_name: 'Ergonomic Soft Hat',

product\_price: 99,

product\_material: 'Rubber',

product\_color: 'black'

}

{

\_id: ObjectId('6689f785ab6c71fc5a75c0a7'),

id: '23',

product\_name: 'Intelligent Steel Pizza',

product\_price: 95,

product\_material: 'Cotton',

product\_color: 'azure'

}

{

\_id: ObjectId('6689f785ab6c71fc5a75c0a8'),

id: '24',

product\_name: 'tasty rubber Cheese',

product\_price: 47,

product\_material: 'Frozen',

product\_color: 'orchid'

}

{

\_id: ObjectId('6689f785ab6c71fc5a75c0a9'),

id: '25',

product\_name: 'Licensed steel car',

product\_price: 20,

product\_material: 'Cotton',

product\_color: 'Indigo'

}

1. Find the product price which are between 400 to 800.

**Query : db.products.find( { $and: [ { product\_price: { $gt: 400 } }, { product\_price: { $lt: 800 } } ] } )**

output: {

\_id: ObjectId('6689f0d8ab6c71fc5a75c091'),

id: '1',

product\_name: 'Intelligent Fresh Chips',

product\_price: 655,

product\_material: 'concrete',

product\_color: 'mint green'

}

{

\_id: ObjectId('6689f0d8ab6c71fc5a75c093'),

id: '3',

product\_name: 'Refined steel car',

product\_price: 690,

product\_material: 'Rubber',

product\_color: 'gold'

}

{

\_id: ObjectId('6689f0d8ab6c71fc5a75c094'),

id: '4',

product\_name: 'Gorgeous Plastic Pants',

product\_price: 492,

product\_material: 'Soft',

product\_color: 'plum'

}

{

\_id: ObjectId('6689f423ab6c71fc5a75c096'),

id: '6',

product\_name: 'Awesome Wooden Towels',

product\_price: 474,

product\_material: 'Plastic',

product\_color: 'orange'

}

{

\_id: ObjectId('6689f423ab6c71fc5a75c097'),

id: '7',

product\_name: 'Practical Soft Shoes',

product\_price: 500,

product\_material: 'Rubber',

product\_color: 'pink'

}

1. Find the product price which are not between 400 to 600

**Query : db.products.find( { $or: [ { product\_price: { $lt: 400 } }, { product\_price: { $gt: 600 } } ] } )**

Output :

{

\_id: ObjectId('6689f0d8ab6c71fc5a75c091'),

"id": "1",

"product\_name": "Intelligent Fresh Chips",

"product\_price": 655.00,

"product\_material": "Concrete",

"product\_color": "mint green"

}

{

\_id: ObjectId('6689f0d8ab6c71fc5a75c092'),

id: '2',

product\_name: 'Practical Fresh Sausages',

product\_price: 911,

product\_material: 'cotton',

product\_color: 'indigo'

}

{

\_id: ObjectId('6689f0d8ab6c71fc5a75c093'),

id: '3',

product\_name: 'Refined steel car',

product\_price: 690,

product\_material: 'Rubber',

product\_color: 'gold'

}

{

\_id: ObjectId('6689f0d8ab6c71fc5a75c095'),

id: '5',

product\_name: 'Sleek Cotton Chair',

product\_price: 33,

product\_material: 'Fresh',

product\_color: 'black'

}

{

\_id: ObjectId('6689f423ab6c71fc5a75c098'),

id: '8',

product\_name: 'Incredible steel hat',

product\_price: 78,

product\_material: 'Rubber',

product\_color: 'violet'

}

{

\_id: ObjectId('6689f423ab6c71fc5a75c099'),

"id": "9",

"product\_name": "Awesome Wooden Ball",

"product\_price": 28.00,

"product\_material": "Soft",

"product\_color": "azure"

}

{

\_id: ObjectId('6689f423ab6c71fc5a75c09a'),

id: '10',

product\_name: 'Generic Wooden Pizza',

product\_price: 84,

product\_material: 'Frozen',

product\_color: 'indigo'

}

{

\_id: ObjectId('6689f5c0ab6c71fc5a75c09b'),

id: '11',

product\_name: 'Unbranded Wooden Cheese',

product\_price: 26,

product\_material: 'Soft',

product\_color: 'black'

}

{

\_id: ObjectId('6689f5c0ab6c71fc5a75c09c'),

id: '12',

product\_name: 'Unbranded Plastic Salad',

product\_price: 89,

product\_material: 'Wooden',

product\_color: 'pink'

}

{

\_id: ObjectId('6689f5c0ab6c71fc5a75c09d'),

id: '13',

product\_name: 'Gorgeous Cotton Keyboard',

product\_price: 37,

product\_material: 'Concrete',

product\_color: 'sky blue'

}

{

\_id: ObjectId('6689f5c0ab6c71fc5a75c09e'),

id: '14',

product\_name: 'Incredible steel shirt',

product\_price: 54,

product\_material: 'Metal',

product\_color: 'white'

}

{

\_id: ObjectId('6689f5c0ab6c71fc5a75c09f'),

id: '15',

product\_name: 'Ergonomic cotton hat',

product\_price: 43,

product\_material: 'Rubber',

product\_color: 'mint green'

}

{

\_id: ObjectId('6689f69eab6c71fc5a75c0a0'),

id: '16',

product\_name: 'Small Soft Chair',

product\_price: 47,

product\_material: 'Cotton',

product\_color: 'teal'

}

{

\_id: ObjectId('6689f69eab6c71fc5a75c0a1'),

id: '17',

product\_name: 'Incredible Metal Car',

product\_price: 36,

product\_material: 'Fresh',

product\_color: 'indigo'

}

{

\_id: ObjectId('6689f69eab6c71fc5a75c0a2'),

id: '18',

product\_name: 'Licensed Plastic Bacon',

product\_price: 88,

product\_material: 'Steel',

product\_color: 'yellow'

}

{

\_id: ObjectId('6689f69eab6c71fc5a75c0a3'),

id: '19',

product\_name: 'Intelligent Cotton Chips',

product\_price: 46,

product\_material: 'Soft',

product\_color: 'azure'

}

{

\_id: ObjectId('6689f69eab6c71fc5a75c0a4'),

id: '20',

product\_name: 'HandCrafted wooden Bacon',

product\_price: 36,

product\_material: 'Concrete',

product\_color: 'lime'

}

{

\_id: ObjectId('6689f785ab6c71fc5a75c0a5'),

id: '21',

product\_name: 'Unbranded Granite Chicken',

product\_price: 90,

product\_material: 'Metal',

product\_color: 'gold'

}

{

\_id: ObjectId('6689f785ab6c71fc5a75c0a6'),

id: '22',

product\_name: 'Ergonomic Soft Hat',

product\_price: 99,

product\_material: 'Rubber',

product\_color: 'black'

}

{

\_id: ObjectId('6689f785ab6c71fc5a75c0a7'),

id: '23',

product\_name: 'Intelligent Steel Pizza',

product\_price: 95,

product\_material: 'Cotton',

product\_color: 'azure'

}

{

\_id: ObjectId('6689f785ab6c71fc5a75c0a8'),

id: '24',

product\_name: 'tasty rubber Cheese',

product\_price: 47,

product\_material: 'Frozen',

product\_color: 'orchid'

}

{

\_id: ObjectId('6689f785ab6c71fc5a75c0a9'),

id: '25',

product\_name: 'Licensed steel car',

product\_price: 20,

product\_material: 'Cotton',

product\_color: 'Indigo'

}

1. List the four product which are greater than 500 in price.

**Query: db.products.find({ product\_price: { $gt: 500 } })**

Output:

{

\_id: ObjectId('6689f0d8ab6c71fc5a75c091'),

id: '1',

product\_name: 'Intelligent Fresh Chips',

product\_price: 655,

product\_material: 'concrete',

product\_color: 'mint green'

}

{

\_id: ObjectId('6689f0d8ab6c71fc5a75c092'),

id: '2',

product\_name: 'Practical Fresh Sausages',

product\_price: 911,

product\_material: 'cotton',

product\_color: 'indigo'

}

{

\_id: ObjectId('6689f0d8ab6c71fc5a75c093'),

id: '3',

product\_name: 'Refined steel car',

product\_price: 690,

product\_material: 'Rubber',

product\_color: 'gold'

}

1. Find the product name and product material of each products.

**Query : db.products.find({}, {\_id: 0, product\_name: 1, product\_material: 1**})

Output: {

product\_name: 'Intelligent Fresh Chips',

product\_material: 'concrete'

}

{

product\_name: 'Practical Fresh Sausages',

product\_material: 'cotton'

}

{

product\_name: 'Refined steel car',

product\_material: 'Rubber'

}

{

product\_name: 'Gorgeous Plastic Pants',

product\_material: 'Soft'

}

{

product\_name: 'Sleek Cotton Chair',

product\_material: 'Fresh'

}

{

product\_name: 'Awesome Wooden Towels',

product\_material: 'Plastic'

}

{

product\_name: 'Practical Soft Shoes',

product\_material: 'Rubber'

}

{

product\_name: 'Incredible steel hat',

product\_material: 'Rubber'

}

{

product\_name: 'Awesome Wooden Ball',

product\_material: 'Soft'

}

{

product\_name: 'Generic Wooden Pizza',

product\_material: 'Frozen'

}

{

product\_name: 'Unbranded Wooden Cheese',

product\_material: 'Soft'

}

{

product\_name: 'Unbranded Plastic Salad',

product\_material: 'Wooden'

}

{

product\_name: 'Gorgeous Cotton Keyboard',

product\_material: 'Concrete'

}

{

product\_name: 'Incredible steel shirt',

product\_material: 'Metal'

}

{

product\_name: 'Ergonomic cotton hat',

product\_material: 'Rubber'

}

{

product\_name: 'Small Soft Chair',

product\_material: 'Cotton'

}

{

product\_name: 'Incredible Metal Car',

product\_material: 'Fresh'

}

{

product\_name: 'Licensed Plastic Bacon',

product\_material: 'Steel'

}

{

product\_name: 'Intelligent Cotton Chips',

product\_material: 'Soft'

}

{

product\_name: 'HandCrafted wooden Bacon',

product\_material: 'Concrete'

}

{

product\_name: 'Unbranded Granite Chicken',

product\_material: 'Metal'

}

{

product\_name: 'Ergonomic Soft Hat',

product\_material: 'Rubber'

}

{

product\_name: 'Intelligent Steel Pizza',

product\_material: 'Cotton'

}

{

product\_name: 'tasty rubber Cheese',

product\_material: 'Frozen'

}

{

product\_name: 'Licensed steel car',

product\_material: 'Cotton'

}

1. Find the product with a row id of 10.

**Query: db.products.find({id:"10"})**

Output: {

\_id: ObjectId('6689f423ab6c71fc5a75c09a'),

id: '10',

product\_name: 'Generic Wooden Pizza',

product\_price: 84,

product\_material: 'Frozen',

product\_color: 'indigo'

}

1. Find only the product name and product material.

**Query : db.products.find({}, {\_id: 0, product\_name: 1, product\_material: 1})**

Output: {

product\_name: 'Intelligent Fresh Chips',

product\_material: 'concrete'

}

{

product\_name: 'Practical Fresh Sausages',

product\_material: 'cotton'

}

{

product\_name: 'Refined steel car',

product\_material: 'Rubber'

}

{

product\_name: 'Gorgeous Plastic Pants',

product\_material: 'Soft'

}

{

product\_name: 'Sleek Cotton Chair',

product\_material: 'Fresh'

}

{

product\_name: 'Awesome Wooden Towels',

product\_material: 'Plastic'

}

{

product\_name: 'Practical Soft Shoes',

product\_material: 'Rubber'

}

{

product\_name: 'Incredible steel hat',

product\_material: 'Rubber'

}

{

product\_name: 'Awesome Wooden Ball',

product\_material: 'Soft'

}

{

product\_name: 'Generic Wooden Pizza',

product\_material: 'Frozen'

}

{

product\_name: 'Unbranded Wooden Cheese',

product\_material: 'Soft'

}

{

product\_name: 'Unbranded Plastic Salad',

product\_material: 'Wooden'

}

{

product\_name: 'Gorgeous Cotton Keyboard',

product\_material: 'Concrete'

}

{

product\_name: 'Incredible steel shirt',

product\_material: 'Metal'

}

{

product\_name: 'Ergonomic cotton hat',

product\_material: 'Rubber'

}

{

product\_name: 'Small Soft Chair',

product\_material: 'Cotton'

}

{

product\_name: 'Incredible Metal Car',

product\_material: 'Fresh'

}

{

product\_name: 'Licensed Plastic Bacon',

product\_material: 'Steel'

}

{

product\_name: 'Intelligent Cotton Chips',

product\_material: 'Soft'

}

{

product\_name: 'HandCrafted wooden Bacon',

product\_material: 'Concrete'

}

{

product\_name: 'Unbranded Granite Chicken',

product\_material: 'Metal'

}

{

product\_name: 'Ergonomic Soft Hat',

product\_material: 'Rubber'

}

{

product\_name: 'Intelligent Steel Pizza',

product\_material: 'Cotton'

}

{

product\_name: 'tasty rubber Cheese',

product\_material: 'Frozen'

}

{

product\_name: 'Licensed steel car',

product\_material: 'Cotton'

}

1. Find all products which contain the value of soft in product material.

**Query : db.products.find({product\_material:"Soft"})**

Output : {

\_id: ObjectId('6689f0d8ab6c71fc5a75c094'),

id: '4',

product\_name: 'Gorgeous Plastic Pants',

product\_price: 492,

product\_material: 'Soft',

product\_color: 'plum'

}

{

\_id: ObjectId('6689f423ab6c71fc5a75c099'),

id: '9',

product\_name: 'Awesome Wooden Ball',

product\_price: 28,

product\_material: 'Soft',

product\_color: 'azure'

}

{

\_id: ObjectId('6689f5c0ab6c71fc5a75c09b'),

id: '11',

product\_name: 'Unbranded Wooden Cheese',

product\_price: 26,

product\_material: 'Soft',

product\_color: 'black'

}

{

\_id: ObjectId('6689f69eab6c71fc5a75c0a3'),

id: '19',

product\_name: 'Intelligent Cotton Chips',

product\_price: 46,

product\_material: 'Soft',

product\_color: 'azure'

}

1. Find products which contain product color indigo  and product price 492.00.

**Query : db.products.find( { $or: [ { product\_color: 'indigo' }, { product\_price: { $eq: 492.00 } } ] } )**

Output:

{

\_id: ObjectId('6689f0d8ab6c71fc5a75c092'),

id: '2',

product\_name: 'Practical Fresh Sausages',

product\_price: 911,

product\_material: 'cotton',

product\_color: 'indigo'

}

{

\_id: ObjectId('6689f0d8ab6c71fc5a75c094'),

id: '4',

product\_name: 'Gorgeous Plastic Pants',

product\_price: 492,

product\_material: 'Soft',

product\_color: 'plum'

}

{

\_id: ObjectId('6689f423ab6c71fc5a75c09a'),

id: '10',

product\_name: 'Generic Wooden Pizza',

product\_price: 84,

product\_material: 'Frozen',

product\_color: 'indigo'

}

{

\_id: ObjectId('6689f69eab6c71fc5a75c0a1'),

id: '17',

product\_name: 'Incredible Metal Car',

product\_price: 36,

product\_material: 'Fresh',

product\_color: 'indigo'

}

1. Delete the products which product price value are 28.

**Query: db.products.deleteMany({product\_price:28})**

Output: {

acknowledged: true,

deletedCount: 1

}