**MongoDB Day 1-Task**

**1. Find all the information about each products**

**Query:**

**db.products.find( );**

**Result:**

{

\_id: ObjectId('65e6c977be3d0848db41fc6f'),

id: '1',

product\_name: 'Intelligent Fresh Chips',

product\_price: 655,

product\_material: 'Concrete',

product\_color: 'mint green'

}

{

\_id: ObjectId('65e6c977be3d0848db41fc70'),

id: '2',

product\_name: 'Practical Fresh Sausages',

product\_price: 911,

product\_material: 'Cotton',

product\_color: 'indigo'

}

….. 23 more documents.

**2. Find the product price which are between 400 to 800**

**Query:**

**db.products.find ( { 'product\_price': { $gte : 400 , $lte : 800 } } ) ;**

**Result:**

{

\_id: ObjectId('65e6c977be3d0848db41fc6f'),

id: '1',

product\_name: 'Intelligent Fresh Chips',

product\_price: 655,

product\_material: 'Concrete',

product\_color: 'mint green'

}

{

\_id: ObjectId('65e6c977be3d0848db41fc71'),

id: '3',

product\_name: 'Refined Steel Car',

product\_price: 690,

product\_material: 'Rubber',

product\_color: 'gold'

}

{

\_id: ObjectId('65e6c977be3d0848db41fc72'),

id: '4',

product\_name: 'Gorgeous Plastic Pants',

product\_price: 492,

product\_material: 'Soft',

product\_color: 'plum'

}

{

\_id: ObjectId('65e6c977be3d0848db41fc74'),

id: '6',

product\_name: 'Awesome Wooden Towels',

product\_price: 474,

product\_material: 'Plastic',

product\_color: 'orange'

}

{

\_id: ObjectId('65e6c977be3d0848db41fc75'),

id: '7',

product\_name: 'Practical Soft Shoes',

product\_price: 500,

product\_material: 'Rubber',

product\_color: 'pink'

}

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

**Query:**

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

**Result:**

{

\_id: ObjectId('65e6c977be3d0848db41fc6f'),

id: '1',

product\_name: 'Intelligent Fresh Chips',

product\_price: 655,

product\_material: 'Concrete',

product\_color: 'mint green'

}

{

\_id: ObjectId('65e6c977be3d0848db41fc70'),

id: '2',

product\_name: 'Practical Fresh Sausages',

product\_price: 911,

product\_material: 'Cotton',

product\_color: 'indigo'

}

{

\_id: ObjectId('65e6c977be3d0848db41fc71'),

id: '3',

product\_name: 'Refined Steel Car',

product\_price: 690,

product\_material: 'Rubber',

product\_color: 'gold'

}

{

\_id: ObjectId('65e6c977be3d0848db41fc73'),

id: '5',

product\_name: 'Sleek Cotton Chair',

product\_price: 33,

product\_material: 'Fresh',

product\_color: 'black'

}

{

\_id: ObjectId('65e6c977be3d0848db41fc76'),

id: '8',

product\_name: 'Incredible Steel Hat',

product\_price: 78,

product\_material: 'Rubber',

product\_color: 'violet'

}

……15 more documents.

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

**Query:**

**db.products.find( { 'product\_price' : { $gt : 500 } } ).limit(4) ;**

**Result:**

{

\_id: ObjectId('65e6c977be3d0848db41fc6f'),

id: '1',

product\_name: 'Intelligent Fresh Chips',

product\_price: 655,

product\_material: 'Concrete',

product\_color: 'mint green'

}

{

\_id: ObjectId('65e6c977be3d0848db41fc70'),

id: '2',

product\_name: 'Practical Fresh Sausages',

product\_price: 911,

product\_material: 'Cotton',

product\_color: 'indigo'

}

{

\_id: ObjectId('65e6c977be3d0848db41fc71'),

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**

**Query:**

**db.products.find( { },{ 'product\_name' : 1,'product\_material' : 1} ) ;**

**Result:**

{

\_id: ObjectId('65e6c977be3d0848db41fc6f'),

product\_name: 'Intelligent Fresh Chips',

product\_material: 'Concrete'

}

{

\_id: ObjectId('65e6c977be3d0848db41fc70'),

product\_name: 'Practical Fresh Sausages',

product\_material: 'Cotton'

}

{

\_id: ObjectId('65e6c977be3d0848db41fc71'),

product\_name: 'Refined Steel Car',

product\_material: 'Rubber'

}

{

\_id: ObjectId('65e6c977be3d0848db41fc72'),

product\_name: 'Gorgeous Plastic Pants',

product\_material: 'Soft'

}

….21 more documents

**6. Find the product with a row id of 10**

**Query:**

**db.products.find( { 'id' : '10' } ) ;**

**Result:**

{

\_id: ObjectId('65e6c977be3d0848db41fc78'),

id: '10',

product\_name: 'Generic Wooden Pizza',

product\_price: 84,

product\_material: 'Frozen',

product\_color: 'indigo'

}

**7. Find only the product name and product material**

**Query:**

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

**Result:**

{

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'

}

….20 more documents

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

**Query:**

**db.products.find( { 'product\_material' : { $eq : 'Soft' } } );**

**Result:**

{

\_id: ObjectId('65e6c977be3d0848db41fc72'),

id: '4',

product\_name: 'Gorgeous Plastic Pants',

product\_price: 492,

product\_material: 'Soft',

product\_color: 'plum'

}

{

\_id: ObjectId('65e6c977be3d0848db41fc77'),

id: '9',

product\_name: 'Awesome Wooden Ball',

product\_price: 28,

product\_material: 'Soft',

product\_color: 'azure'

}

{

\_id: ObjectId('65e6c977be3d0848db41fc79'),

id: '11',

product\_name: 'Unbranded Wooden Cheese',

product\_price: 26,

product\_material: 'Soft',

product\_color: 'black'

}

{

\_id: ObjectId('65e6c977be3d0848db41fc81'),

id: '19',

product\_name: 'Intelligent Cotton Chips',

product\_price: 46,

product\_material: 'Soft',

product\_color: 'azure'

}

**9. Find products which contain product color indigo  and product price 492.00**

**Query:**

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

**Result:**

No match found.

**Query:**

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

**Result:**

{

\_id: ObjectId('65e6c977be3d0848db41fc70'),

id: '2',

product\_name: 'Practical Fresh Sausages',

product\_price: 911,

product\_material: 'Cotton',

product\_color: 'indigo'

}

{

\_id: ObjectId('65e6c977be3d0848db41fc72'),

id: '4',

product\_name: 'Gorgeous Plastic Pants',

product\_price: 492,

product\_material: 'Soft',

product\_color: 'plum'

}

{

\_id: ObjectId('65e6c977be3d0848db41fc78'),

id: '10',

product\_name: 'Generic Wooden Pizza',

product\_price: 84,

product\_material: 'Frozen',

product\_color: 'indigo'

}

{

\_id: ObjectId('65e6c977be3d0848db41fc7f'),

id: '17',

product\_name: 'Incredible Metal Car',

product\_price: 36,

product\_material: 'Fresh',

product\_color: 'indigo'

}

{

\_id: ObjectId('65e6c977be3d0848db41fc87'),

id: '25',

product\_name: 'Licensed Steel Car',

product\_price: 20,

product\_material: 'Cotton',

product\_color: 'indigo'

}

**10. Delete the products which product price value are same**

**Query:**

**db.products.deleteMany( { 'product\_price' : { $eq : 47.00 } } );**

**Result:**

{

acknowledged: true,

deletedCount: 2

}