Mongo DB Queries

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

**db.productList.find({});**

// Lists all productList documents

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

**db.productList.find({**

**product\_price: { $gte: 400, $lte: 800 }**

**});**

**[**

**{**

**"id": "1",**

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

**"product\_price": 655.00,**

**"product\_material": "Concrete",**

**"product\_color": "mint green"**

**},**

**{**

**"id": "3",**

**"product\_name": "Refined Steel Car",**

**"product\_price": 690.00,**

**"product\_material": "Rubber",**

**"product\_color": "gold"**

**},**

**{**

**"id": "4",**

**"product\_name": "Gorgeous Plastic Pants",**

**"product\_price": 492.00,**

**"product\_material": "Soft",**

**"product\_color": "plum"**

**},**

**{**

**"id": "6",**

**"product\_name": "Awesome Wooden Towels",**

**"product\_price": 474.00,**

**"product\_material": "Plastic",**

**"product\_color": "orange"**

**},**

**{**

**"id": "7",**

**"product\_name": "Practical Soft Shoes",**

**"product\_price": 500.00,**

**"product\_material": "Rubber",**

**"product\_color": "pink"**

**}**

**]**

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

**db.productList.find({ product\_price: { $not: { $gte: 400, $lte: 600 } } });**

**[**

**{**

**"id": "5",**

**"product\_name": "Sleek Cotton Chair",**

**"product\_price": 33.00,**

**"product\_material": "Fresh",**

**"product\_color": "black"**

**},**

**{**

**"id": "8",**

**"product\_name": "Incredible Steel Hat",**

**"product\_price": 78.00,**

**"product\_material": "Rubber",**

**"product\_color": "violet"**

**},**

**{**

**"id": "9",**

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

**"product\_price": 28.00,**

**"product\_material": "Soft",**

**"product\_color": "azure"**

**},**

**{**

**"id": "10",**

**"product\_name": "Generic Wooden Pizza",**

**"product\_price": 84.00,**

**"product\_material": "Frozen",**

**"product\_color": "indigo"**

**},**

**{**

**"id": "11",**

**"product\_name": "Unbranded Wooden Cheese",**

**"product\_price": 26.00,**

**"product\_material": "Soft",**

**"product\_color": "black"**

**},**

**{**

**"id": "12",**

**"product\_name": "Unbranded Plastic Salad",**

**"product\_price": 89.00,**

**"product\_material": "Wooden",**

**"product\_color": "pink"**

**},**

**{**

**"id": "13",**

**"product\_name": "Gorgeous Cotton Keyboard",**

**"product\_price": 37.00,**

**"product\_material": "Concrete",**

**"product\_color": "sky blue"**

**},**

**{**

**"id": "14",**

**"product\_name": "Incredible Steel Shirt",**

**"product\_price": 54.00,**

**"product\_material": "Metal",**

**"product\_color": "white"**

**},**

**{**

**"id": "15",**

**"product\_name": "Ergonomic Cotton Hat",**

**"product\_price": 43.00,**

**"product\_material": "Rubber",**

**"product\_color": "mint green"**

**},**

**{**

**"id": "16",**

**"product\_name": "Small Soft Chair",**

**"product\_price": 47.00,**

**"product\_material": "Cotton",**

**"product\_color": "teal"**

**},**

**{**

**"id": "17",**

**"product\_name": "Incredible Metal Car",**

**"product\_price": 36.00,**

**"product\_material": "Fresh",**

**"product\_color": "indigo"**

**},**

**{**

**"id": "18",**

**"product\_name": "Licensed Plastic Bacon",**

**"product\_price": 88.00,**

**"product\_material": "Steel",**

**"product\_color": "yellow"**

**},**

**{**

**"id": "19",**

**"product\_name": "Intelligent Cotton Chips",**

**"product\_price": 46.00,**

**"product\_material": "Soft",**

**"product\_color": "azure"**

**},**

**{**

**"id": "20",**

**"product\_name": "Handcrafted Wooden Bacon",**

**"product\_price": 36.00,**

**"product\_material": "Concrete",**

**"product\_color": "lime"**

**},**

**{**

**"id": "21",**

**"product\_name": "Unbranded Granite Chicken",**

**"product\_price": 90.00,**

**"product\_material": "Metal",**

**"product\_color": "gold"**

**},**

**{**

**"id": "22",**

**"product\_name": "Ergonomic Soft Hat",**

**"product\_price": 99.00,**

**"product\_material": "Rubber",**

**"product\_color": "black"**

**},**

**{**

**"id": "23",**

**"product\_name": "Intelligent Steel Pizza",**

**"product\_price": 95.00,**

**"product\_material": "Cotton",**

**"product\_color": "azure"**

**},**

**{**

**"id": "24",**

**"product\_name": "Tasty Rubber Cheese",**

**"product\_price": 47.00,**

**"product\_material": "Frozen",**

**"product\_color": "orchid"**

**},**

**{**

**"id": "25",**

**"product\_name": "Licensed Steel Car",**

**"product\_price": 20.00,**

**"product\_material": "Cotton",**

**"product\_color": "indigo"**

**}**

**]**

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

**db.productList.find({**

**product\_price: { $gt: 500 }**

**}).limit(4);**

**[**

**{**

**"id": "1",**

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

**"product\_price": 655.00,**

**"product\_material": "Concrete",**

**"product\_color": "mint green"**

**},**

**{**

**"id": "3",**

**"product\_name": "Refined Steel Car",**

**"product\_price": 690.00,**

**"product\_material": "Rubber",**

**"product\_color": "gold"**

**},**

**{**

**"id": "7",**

**"product\_name": "Practical Soft Shoes",**

**"product\_price": 500.00,**

**"product\_material": "Rubber",**

**"product\_color": "pink"**

**},**

**{**

**"id": "6",**

**"product\_name": "Awesome Wooden Towels",**

**"product\_price": 474.00,**

**"product\_material": "Plastic",**

**"product\_color": "orange"**

**}**

**]**

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

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

**[**

**{ "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" }**

**]**

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

**db.productList.findOne({ id: "10" });**

**{**

**"id": "10",**

**"product\_name": "Generic Wooden Pizza",**

**"product\_price": 84.00,**

**"product\_material": "Frozen",**

**"product\_color": "indigo"**

**}**

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

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

**[**

**{ "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" }**

**]**

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

**db.productList.find({**

**product\_material: /soft/i**

**});**

**[**

**{**

**"id": "4",**

**"product\_name": "Gorgeous Plastic Pants",**

**"product\_price": 492.00,**

**"product\_material": "Soft",**

**"product\_color": "plum"**

**},**

**{**

**"id": "9",**

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

**"product\_price": 28.00,**

**"product\_material": "Soft",**

**"product\_color": "azure"**

**},**

**{**

**"id": "11",**

**"product\_name": "Unbranded Wooden Cheese",**

**"product\_price": 26.00,**

**"product\_material": "Soft",**

**"product\_color": "black"**

**},**

**{**

**"id": "16",**

**"product\_name": "Small Soft Chair",**

**"product\_price": 47.00,**

**"product\_material": "Cotton",**

**"product\_color": "teal"**

**},**

**{**

**"id": "19",**

**"product\_name": "Intelligent Cotton Chips",**

**"product\_price": 46.00,**

**"product\_material": "Soft",**

**"product\_color": "azure"**

**}**

**]**

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

**db.productList.find({**

**product\_color: "indigo",**

**product\_price: 492.00**

**});**

**//None**

**10)Delete the products which product price value are 28**

**db.productList.deleteMany({**

**product\_price: 28**

**});**

The below document will be removed from the collection:

**[ { "id": "9", "product\_name": "Awesome Wooden Ball", "product\_price": 28.00, "product\_material": "Soft", "product\_color": "azure" } ]**

Products JSON (Before executing queries)

[

{

"id": "1",

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

"product\_price": 655.00,

"product\_material": "Concrete",

"product\_color": "mint green"

},

{

"id": "2",

"product\_name": "Practical Fresh Sausages",

"product\_price": 911.0,

"product\_material": "Cotton",

"product\_color": "indigo"

},

{

"id": "3",

"product\_name": "Refined Steel Car",

"product\_price": 690.00,

"product\_material": "Rubber",

"product\_color": "gold"

},

{

"id": "4",

"product\_name": "Gorgeous Plastic Pants",

"product\_price": 492.00,

"product\_material": "Soft",

"product\_color": "plum"

},

{

"id": "5",

"product\_name": "Sleek Cotton Chair",

"product\_price": 33.00,

"product\_material": "Fresh",

"product\_color": "black"

},

{

"id": "6",

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

"product\_price": 474.00,

"product\_material": "Plastic",

"product\_color": "orange"

},

{

"id": "7",

"product\_name": "Practical Soft Shoes",

"product\_price": 500.00,

"product\_material": "Rubber",

"product\_color": "pink"

},

{

"id": "8",

"product\_name": "Incredible Steel Hat",

"product\_price": 78.00,

"product\_material": "Rubber",

"product\_color": "violet"

},

{

"id": "9",

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

"product\_price": 28.00,

"product\_material": "Soft",

"product\_color": "azure"

},

{

"id": "10",

"product\_name": "Generic Wooden Pizza",

"product\_price": 84.00,

"product\_material": "Frozen",

"product\_color": "indigo"

},

{

"id": "11",

"product\_name": "Unbranded Wooden Cheese",

"product\_price":26.00,

"product\_material": "Soft",

"product\_color": "black"

},

{

"id": "12",

"product\_name": "Unbranded Plastic Salad",

"product\_price": 89.00,

"product\_material": "Wooden",

"product\_color": "pink"

},

{

"id": "13",

"product\_name": "Gorgeous Cotton Keyboard",

"product\_price": 37.00,

"product\_material": "Concrete",

"product\_color": "sky blue"

},

{

"id": "14",

"product\_name": "Incredible Steel Shirt",

"product\_price": 54.00,

"product\_material": "Metal",

"product\_color": "white"

},

{

"id": "15",

"product\_name": "Ergonomic Cotton Hat",

"product\_price": 43.00,

"product\_material": "Rubber",

"product\_color": "mint green"

},

{

"id": "16",

"product\_name": "Small Soft Chair",

"product\_price": 47.00,

"product\_material": "Cotton",

"product\_color": "teal"

},

{

"id": "17",

"product\_name": "Incredible Metal Car",

"product\_price":36.00,

"product\_material": "Fresh",

"product\_color": "indigo" },

{

"id": "18",

"product\_name": "Licensed Plastic Bacon",

"product\_price":88.00,

"product\_material": "Steel",

"product\_color": "yellow"

},

{

"id": "19",

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

"product\_price": 46.00,

"product\_material": "Soft",

"product\_color": "azure"

},

{

"id": "20",

"product\_name": "Handcrafted Wooden Bacon",

"product\_price": 36.00,

"product\_material": "Concrete",

"product\_color": "lime"

},

{

"id": "21",

"product\_name": "Unbranded Granite Chicken",

"product\_price": 90.00,

"product\_material": "Metal",

"product\_color": "gold"

},

{

"id": "22",

"product\_name": "Ergonomic Soft Hat",

"product\_price": 99.00,

"product\_material": "Rubber",

"product\_color": "black"

},

{

"id": "23",

"product\_name": "Intelligent Steel Pizza",

"product\_price": 95.00,

"product\_material": "Cotton",

"product\_color": "azure"

},

{

"id": "24",

"product\_name": "Tasty Rubber Cheese",

"product\_price":47.00,

"product\_material": "Frozen",

"product\_color": "orchid"

},

{

"id": "25",

"product\_name": "Licensed Steel Car",

"product\_price":20.00,

"product\_material": "Cotton",

"product\_color": "indigo"

}

]

Products JSON (After executing queries)

[{

  "\_id": {

    "$oid": "66cf3534beaff63b2f7da951"

  },

  "id": "1",

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

  "product\_price": 655,

  "product\_material": "Concrete",

  "product\_color": "mint green"

},

{

  "\_id": {

    "$oid": "66cf3534beaff63b2f7da952"

  },

  "id": "2",

  "product\_name": "Practical Fresh Sausages",

  "product\_price": 911,

  "product\_material": "Cotton",

  "product\_color": "indigo"

},

{

  "\_id": {

    "$oid": "66cf3534beaff63b2f7da953"

  },

  "id": "3",

  "product\_name": "Refined Steel Car",

  "product\_price": 690,

  "product\_material": "Rubber",

  "product\_color": "gold"

},

{

  "\_id": {

    "$oid": "66cf3534beaff63b2f7da954"

  },

  "id": "4",

  "product\_name": "Gorgeous Plastic Pants",

  "product\_price": 492,

  "product\_material": "Soft",

  "product\_color": "plum"

},

{

  "\_id": {

    "$oid": "66cf3534beaff63b2f7da955"

  },

  "id": "5",

  "product\_name": "Sleek Cotton Chair",

  "product\_price": 33,

  "product\_material": "Fresh",

  "product\_color": "black"

},

{

  "\_id": {

    "$oid": "66cf3534beaff63b2f7da956"

  },

  "id": "6",

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

  "product\_price": 474,

  "product\_material": "Plastic",

  "product\_color": "orange"

},

{

  "\_id": {

    "$oid": "66cf3534beaff63b2f7da957"

  },

  "id": "7",

  "product\_name": "Practical Soft Shoes",

  "product\_price": 500,

  "product\_material": "Rubber",

  "product\_color": "pink"

},

{

  "\_id": {

    "$oid": "66cf3534beaff63b2f7da958"

  },

  "id": "8",

  "product\_name": "Incredible Steel Hat",

  "product\_price": 78,

  "product\_material": "Rubber",

  "product\_color": "violet"

},

{

  "\_id": {

    "$oid": "66cf3534beaff63b2f7da95a"

  },

  "id": "10",

  "product\_name": "Generic Wooden Pizza",

  "product\_price": 84,

  "product\_material": "Frozen",

  "product\_color": "indigo"

},

{

  "\_id": {

    "$oid": "66cf3534beaff63b2f7da95b"

  },

  "id": "11",

  "product\_name": "Unbranded Wooden Cheese",

  "product\_price": 26,

  "product\_material": "Soft",

  "product\_color": "black"

},

{

  "\_id": {

    "$oid": "66cf3534beaff63b2f7da95c"

  },

  "id": "12",

  "product\_name": "Unbranded Plastic Salad",

  "product\_price": 89,

  "product\_material": "Wooden",

  "product\_color": "pink"

},

{

  "\_id": {

    "$oid": "66cf3534beaff63b2f7da95d"

  },

  "id": "13",

  "product\_name": "Gorgeous Cotton Keyboard",

  "product\_price": 37,

  "product\_material": "Concrete",

  "product\_color": "sky blue"

},

{

  "\_id": {

    "$oid": "66cf3534beaff63b2f7da95e"

  },

  "id": "14",

  "product\_name": "Incredible Steel Shirt",

  "product\_price": 54,

  "product\_material": "Metal",

  "product\_color": "white"

},

{

  "\_id": {

    "$oid": "66cf3534beaff63b2f7da95f"

  },

  "id": "15",

  "product\_name": "Ergonomic Cotton Hat",

  "product\_price": 43,

  "product\_material": "Rubber",

  "product\_color": "mint green"

},

{

  "\_id": {

    "$oid": "66cf3534beaff63b2f7da960"

  },

  "id": "16",

  "product\_name": "Small Soft Chair",

  "product\_price": 47,

  "product\_material": "Cotton",

  "product\_color": "teal"

},

{

  "\_id": {

    "$oid": "66cf3534beaff63b2f7da961"

  },

  "id": "17",

  "product\_name": "Incredible Metal Car",

  "product\_price": 36,

  "product\_material": "Fresh",

  "product\_color": "indigo"

},

{

  "\_id": {

    "$oid": "66cf3534beaff63b2f7da962"

  },

  "id": "18",

  "product\_name": "Licensed Plastic Bacon",

  "product\_price": 88,

  "product\_material": "Steel",

  "product\_color": "yellow"

},

{

  "\_id": {

    "$oid": "66cf3534beaff63b2f7da963"

  },

  "id": "19",

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

  "product\_price": 46,

  "product\_material": "Soft",

  "product\_color": "azure"

},

{

  "\_id": {

    "$oid": "66cf3534beaff63b2f7da964"

  },

  "id": "20",

  "product\_name": "Handcrafted Wooden Bacon",

  "product\_price": 36,

  "product\_material": "Concrete",

  "product\_color": "lime"

},

{

  "\_id": {

    "$oid": "66cf3534beaff63b2f7da965"

  },

  "id": "21",

  "product\_name": "Unbranded Granite Chicken",

  "product\_price": 90,

  "product\_material": "Metal",

  "product\_color": "gold"

},

{

  "\_id": {

    "$oid": "66cf3534beaff63b2f7da966"

  },

  "id": "22",

  "product\_name": "Ergonomic Soft Hat",

  "product\_price": 99,

  "product\_material": "Rubber",

  "product\_color": "black"

},

{

  "\_id": {

    "$oid": "66cf3534beaff63b2f7da967"

  },

  "id": "23",

  "product\_name": "Intelligent Steel Pizza",

  "product\_price": 95,

  "product\_material": "Cotton",

  "product\_color": "azure"

},

{

  "\_id": {

    "$oid": "66cf3534beaff63b2f7da968"

  },

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