

MongoDB Task

1. Find all the information about each product

Configuration	Query	Result
<pre>1- [2- { 3- "id": "1", 4- "product_name": "Intelligent Fresh Chips", 5- "product_price": 655.00, 6- "product_material": "Concrete", 7- "product_color": "mint green" 8- }, 9- { 10- "id": "2", 11- "product_name": "Practical Fresh Sausages", 12- "product_price": 911.0, 13- "product_material": "Cotton", 14- "product_color": "indigo" 15- }, 16- { 17- "id": "3", 18- "product_name": "Refined Steel Car", 19- "product_price": 690.00, 20- "product_material": "Rubber", 21- "product_color": "gold" 22- }, 23- { 24- "id": "4", 25- "product_name": "Gorgeous Plastic Pants", 26- "product_price": 492.00, 27- "product_material": "Soft", 28- "product_color": "plum" 29- }, 30- { 31- "id": "5", 32- "product_name": "Sleek Cotton Chair",</pre>	<pre>1 db.collection.find({})</pre>	<pre>[{ "_id": ObjectId("5a934e000102030405000000"), "id": "1", "product_color": "mint green", "product_material": "Concrete", "product_name": "Intelligent Fresh Chips", "product_price": 655 }, { "_id": ObjectId("5a934e000102030405000001"), "id": "2", "product_color": "indigo", "product_material": "Cotton", "product_name": "Practical Fresh Sausages", "product_price": 911 }, { "_id": ObjectId("5a934e000102030405000002"), "id": "3", "product_color": "gold", "product_material": "Rubber", "product_name": "Refined Steel Car", "product_price": 690 }, { "_id": ObjectId("5a934e000102030405000003"), "id": "4", "product_color": "plum", "product_material": "Soft", "product_name": "Gorgeous Plastic Pants", "product_price": 492 }, { "_id": ObjectId("5a934e000102030405000004"), "id": "5", "product_color": "black", "product_material": "Fresh", "product_name": "Sleek Cotton Chair", "product_price": 33 }]</pre>

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

Configuration	Query	Result
<pre>1- [2- { 3- "id": "1", 4- "product_name": "Intelligent Fresh Chips", 5- "product_price": 655.00, 6- "product_material": "Concrete", 7- "product_color": "mint green" 8- }, 9- { 10- "id": "2", 11- "product_name": "Practical Fresh Sausages", 12- "product_price": 911.0, 13- "product_material": "Cotton", 14- "product_color": "indigo" 15- }, 16- { 17- "id": "3", 18- "product_name": "Refined Steel Car", 19- "product_price": 690.00, 20- "product_material": "Rubber", 21- "product_color": "gold" 22- }, 23- { 24- "id": "4", 25- "product_name": "Gorgeous Plastic Pants", 26- "product_price": 492.00, 27- "product_material": "Soft", 28- "product_color": "plum" 29- }, 30- { 31- "id": "5", 32- "product_name": "Sleek Cotton Chair",</pre>	<pre>1- db.collection.find({ 2- product_price: { 3- \$gte: 400, 4- \$lte: 800 5- } 6- })</pre>	<pre>[{ "_id": ObjectId("5a934e000102030405000000"), "id": "1", "product_color": "mint green", "product_material": "Concrete", "product_name": "Intelligent Fresh Chips", "product_price": 655 }, { "_id": ObjectId("5a934e000102030405000002"), "id": "3", "product_color": "gold", "product_material": "Rubber", "product_name": "Refined Steel Car", "product_price": 690 }, { "_id": ObjectId("5a934e000102030405000003"), "id": "4", "product_color": "plum", "product_material": "Soft", "product_name": "Gorgeous Plastic Pants", "product_price": 492 }, { "_id": ObjectId("5a934e000102030405000005"), "id": "6", "product_color": "orange", "product_material": "Plastic", "product_name": "Awesome Wooden Towels", "product_price": 474 }]</pre>

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

Configuration	Query	Result
<pre>1- [2- { 3- "id": "1", 4- "product_name": "Intelligent Fresh Chips", 5- "product_price": 655.00, 6- "product_material": "Concrete", 7- "product_color": "mint green" 8- }, 9- { 10- "id": "2", 11- "product_name": "Practical Fresh Sausages", 12- "product_price": 911.0, 13- "product_material": "Cotton", 14- "product_color": "indigo" 15- }, 16- { 17- "id": "3", 18- "product_name": "Refined Steel Car", 19- "product_price": 690.00, 20- "product_material": "Rubber", 21- "product_color": "gold" 22- }, 23- { 24- "id": "4", 25- "product_name": "Gorgeous Plastic Pants", 26- "product_price": 492.00, 27- "product_material": "Soft", 28- "product_color": "plum" 29- }, 30- { 31- "id": "5", 32- "product_name": "Sleek Cotton Chair",</pre>	<pre>1- db.collection.find({ 2- product_price: { 3- \$not: { 4- \$gte: 400, 5- \$lte: 600 6- } 7- } 8- })</pre>	<pre>[{ "_id": ObjectId("5a934e000102030405000000"), "id": "1", "product_color": "mint green", "product_material": "Concrete", "product_name": "Intelligent Fresh Chips", "product_price": 655 }, { "_id": ObjectId("5a934e000102030405000001"), "id": "2", "product_color": "indigo", "product_material": "Cotton", "product_name": "Practical Fresh Sausages", "product_price": 911 }, { "_id": ObjectId("5a934e000102030405000002"), "id": "3", "product_color": "gold", "product_material": "Rubber", "product_name": "Refined Steel Car", "product_price": 690 }, { "_id": ObjectId("5a934e000102030405000004"), "id": "5", "product_color": "black", "product_material": "Fresh", "product_name": "Sleek Cotton Chair", "product_price": 33 }]</pre>

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

Configuration	Query	Result
<pre>1- [2- { 3- "id": "1", 4- "product_name": "Intelligent Fresh Chips", 5- "product_price": 655.00, 6- "product_material": "Concrete", 7- "product_color": "mint green" 8- }, 9- { 10- "id": "2", 11- "product_name": "Practical Fresh Sausages", 12- "product_price": 911.0, 13- "product_material": "Cotton", 14- "product_color": "indigo" 15- }, 16- { 17- "id": "3", 18- "product_name": "Refined Steel Car", 19- "product_price": 690.00, 20- "product_material": "Rubber", 21- "product_color": "gold" 22- }, 23- { 24- "id": "4", 25- "product_name": "Gorgeous Plastic Pants", 26- "product_price": 492.00, 27- "product_material": "Soft", 28- "product_color": "plum" 29- }, 30- { 31- "id": "5", 32- "product_name": "Sleek Cotton Chair",</pre>	<pre>1- db.collection.find({ 2- product_price: { 3- "\$gt": 500 4- } 5- })</pre>	<pre>[{ "_id": ObjectId("5a934e000102030405000000"), "id": "1", "product_color": "mint green", "product_material": "Concrete", "product_name": "Intelligent Fresh Chips", "product_price": 655 }, { "_id": ObjectId("5a934e000102030405000001"), "id": "2", "product_color": "indigo", "product_material": "Cotton", "product_name": "Practical Fresh Sausages", "product_price": 911 }, { "_id": ObjectId("5a934e000102030405000002"), "id": "3", "product_color": "gold", "product_material": "Rubber", "product_name": "Refined Steel Car", "product_price": 690 }]</pre>

5. Find the product name and product material of each product

Configuration	Query	Result
<pre>1- [2- { 3- "id": "1", 4- "product_name": "Intelligent Fresh Chips", 5- "product_price": 655.00, 6- "product_material": "Concrete", 7- "product_color": "mint green" 8- }, 9- { 10- "id": "2", 11- "product_name": "Practical Fresh Sausages", 12- "product_price": 911.0, 13- "product_material": "Cotton", 14- "product_color": "indigo" 15- }, 16- { 17- "id": "3", 18- "product_name": "Refined Steel Car", 19- "product_price": 690.00, 20- "product_material": "Rubber", 21- "product_color": "gold" 22- }, 23- { 24- "id": "4", 25- "product_name": "Gorgeous Plastic Pants", 26- "product_price": 492.00, 27- "product_material": "Soft", 28- "product_color": "plum" 29- }, 30- { 31- "id": "5", 32- "product_name": "Sleek Cotton Chair",</pre>	<pre>1 db.collection.find({}, 2- { 3- _id: 0, 4- product_name: 1, 5- product_material: 1 6- })</pre>	<pre>[{ "product_material": "Concrete", "product_name": "Intelligent Fresh Chips" }, { "product_material": "Cotton", "product_name": "Practical Fresh Sausages" }, { "product_material": "Rubber", "product_name": "Refined Steel Car" }, { "product_material": "Soft", "product_name": "Gorgeous Plastic Pants" }, { "product_material": "Fresh", "product_name": "Sleek Cotton Chair" }, { "product_material": "Plastic", "product_name": "Awesome Wooden Towels" }, { "product_material": "Rubber", "product_name": "Practical Soft Shoes" }, { "product_material": "Rubber", "product_name": "Incredible Steel Hat" }]</pre>

6. Find the product with a row id of 10

Configuration	Query	Result
<pre>1- [2- { 3- "id": "1", 4- "product_name": "Intelligent Fresh Chips", 5- "product_price": 655.00, 6- "product_material": "Concrete", 7- "product_color": "mint green" 8- }, 9- { 10- "id": "2", 11- "product_name": "Practical Fresh Sausages", 12- "product_price": 911.0, 13- "product_material": "Cotton", 14- "product_color": "indigo" 15- }, 16- { 17- "id": "3", 18- "product_name": "Refined Steel Car", 19- "product_price": 690.00, 20- "product_material": "Rubber", 21- "product_color": "gold" 22- }, 23- { 24- "id": "4", 25- "product_name": "Gorgeous Plastic Pants", 26- "product_price": 492.00, 27- "product_material": "Soft", 28- "product_color": "plum" 29- }, 30- { 31- "id": "5", 32- "product_name": "Sleek Cotton Chair",</pre>	<pre>1- db.collection.find({ 2- id: { 3- "\$eq": "10" 4- } 5- })</pre>	<pre>[{ "_id": ObjectId("5a934e000102030405000009"), "id": "10", "product_color": "indigo", "product_material": "Frozen", "product_name": "Generic Wooden Pizza", "product_price": 84 }]</pre>

7. Find only the product name and product material

Configuration	Query	Result
<pre> 1- [2- { 3- "id": "1", 4- "product_name": "Intelligent Fresh Chips", 5- "product_price": 655.00, 6- "product_material": "Concrete", 7- "product_color": "mint green" 8- }, 9- { 10- "id": "2", 11- "product_name": "Practical Fresh Sausages", 12- "product_price": 911.0, 13- "product_material": "Cotton", 14- "product_color": "indigo" 15- }, 16- { 17- "id": "3", 18- "product_name": "Refined Steel Car", 19- "product_price": 690.00, 20- "product_material": "Rubber", 21- "product_color": "gold" 22- }, 23- { 24- "id": "4", 25- "product_name": "Gorgeous Plastic Pants", 26- "product_price": 492.00, 27- "product_material": "Soft", 28- "product_color": "plum" 29- }, 30- { 31- "id": "5", 32- "product_name": "Sleek Cotton Chair", </pre>	<pre> 1- db.collection.find({}, 2- { 3- id: 0, 4- product_name: 1, 5- product_material: 1 6- }) </pre>	<pre> [{ "product_material": "Concrete", "product_name": "Intelligent Fresh Chips" }, { "product_material": "Cotton", "product_name": "Practical Fresh Sausages" }, { "product_material": "Rubber", "product_name": "Refined Steel Car" }, { "product_material": "Soft", "product_name": "Gorgeous Plastic Pants" }, { "product_material": "Fresh", "product_name": "Sleek Cotton Chair" }, { "product_material": "Plastic", "product_name": "Awesome Wooden Towels" }, { "product_material": "Rubber", "product_name": "Practical Soft Shoes" }, { "product_material": "Rubber", "product_name": "Incredible Steel Hat" }] </pre>

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

Configuration	Query	Result
<pre> 1- [2- { 3- "id": "1", 4- "product_name": "Intelligent Fresh Chips", 5- "product_price": 655.00, 6- "product_material": "Concrete", 7- "product_color": "mint green" 8- }, 9- { 10- "id": "2", 11- "product_name": "Practical Fresh Sausages", 12- "product_price": 911.0, 13- "product_material": "Cotton", 14- "product_color": "indigo" 15- }, 16- { 17- "id": "3", 18- "product_name": "Refined Steel Car", 19- "product_price": 690.00, 20- "product_material": "Rubber", 21- "product_color": "gold" 22- }, 23- { 24- "id": "4", 25- "product_name": "Gorgeous Plastic Pants", 26- "product_price": 492.00, 27- "product_material": "Soft", 28- "product_color": "plum" 29- }, 30- { 31- "id": "5", 32- "product_name": "Sleek Cotton Chair", </pre>	<pre> 1- db.collection.find({ 2- product_material: { 3- \$eq: "Soft" 4- } 5- }) </pre>	<pre> [{ "_id": ObjectId("5a934e000102030405000003"), "id": "4", "product_color": "plum", "product_material": "Soft", "product_name": "Gorgeous Plastic Pants", "product_price": 492 }, { "_id": ObjectId("5a934e000102030405000008"), "id": "9", "product_color": "azure", "product_material": "Soft", "product_name": "Awesome Wooden Ball", "product_price": 28 }, { "_id": ObjectId("5a934e00010203040500000a"), "id": "11", "product_color": "black", "product_material": "Soft", "product_name": "Unbranded Wooden Cheese", "product_price": 26 }, { "_id": ObjectId("5a934e000102030405000012"), "id": "19", "product_color": "azure", "product_material": "Soft", "product_name": "Intelligent Cotton Chips", "product_price": 46 }] </pre>

9. Find products which contain product colour indigo and product price 492.00

Configuration	Query	Result
<pre> 1- [2- { 3- "id": "1", 4- "product_name": "Intelligent Fresh Chips", 5- "product_price": 655.00, 6- "product_material": "Concrete", 7- "product_color": "mint green" 8- }, 9- { 10- "id": "2", 11- "product_name": "Practical Fresh Sausages", 12- "product_price": 911.0, 13- "product_material": "Cotton", 14- "product_color": "indigo" 15- }, 16- { 17- "id": "3", 18- "product_name": "Refined Steel Car", 19- "product_price": 690.00, 20- "product_material": "Rubber", 21- "product_color": "gold" 22- }, 23- { 24- "id": "4", 25- "product_name": "Gorgeous Plastic Pants", 26- "product_price": 492.00, 27- "product_material": "Soft", 28- "product_color": "plum" 29- }, 30- { 31- "id": "5", 32- "product_name": "Sleek Cotton Chair", </pre>	<pre> 1- db.collection.find({ 2- \$or: [3- { 4- product_color: { 5- \$eq: "indigo" 6- } 7- }, 8- { 9- product_price: { 10- \$eq: 492 11- } 12- } 13-] 14- }) </pre>	<pre> [{ "_id": ObjectId("5a934e000102030405000001"), "id": "2", "product_color": "indigo", "product_material": "Cotton", "product_name": "Practical Fresh Sausages", "product_price": 911 }, { "_id": ObjectId("5a934e000102030405000003"), "id": "4", "product_color": "plum", "product_material": "Soft", "product_name": "Gorgeous Plastic Pants", "product_price": 492 }, { "_id": ObjectId("5a934e000102030405000009"), "id": "10", "product_color": "indigo", "product_material": "Frozen", "product_name": "Generic Wooden Pizza", "product_price": 84 }, { "_id": ObjectId("5a934e000102030405000010"), "id": "17", "product_color": "indigo", "product_material": "Fresh", "product_name": "Incredible Metal Car", "product_price": 36 }] </pre>

10. Delete the products which product price value are same

Configuration	Query	Result
<pre> 1- [2- { 3- "id": "1", 4- "product_name": "Intelligent Fresh Chips", 5- "product_price": 655.00, 6- "product_material": "Concrete", 7- "product_color": "mint green" 8- }, 9- { 10- "id": "2", 11- "product_name": "Practical Fresh Sausages", 12- "product_price": 911.0, 13- "product_material": "Cotton", 14- "product_color": "indigo" 15- }, 16- { 17- "id": "3", 18- "product_name": "Refined Steel Car", 19- "product_price": 690.00, 20- "product_material": "Rubber", 21- "product_color": "gold" 22- }, 23- { 24- "id": "4", 25- "product_name": "Gorgeous Plastic Pants", 26- "product_price": 492.00, 27- "product_material": "Soft", 28- "product_color": "plum" 29- }, 30- { 31- "id": "5", 32- "product_name": "Sleek Cotton Chair", </pre>	<pre> 1- db.collection.aggregate([2- { 3- "\$group": { 4- "_id": "\$product_price", 5- "doc": { 6- "\$first": "\$\$ROOT" 7- } 8- }, 9- }, 10- { 11- "\$replaceRoot": { 12- "newRoot": "\$doc" 13- }, 14- }, 15- { 16- "\$out": "collection" 17- } 18-]) </pre>	<pre> [{ "_id": ObjectId("5a934e000102030405000010"), "id": "17", "product_color": "indigo", "product_material": "Fresh", "product_name": "Incredible Metal Car", "product_price": 36 }, { "_id": ObjectId("5a934e000102030405000015"), "id": "22", "product_color": "black", "product_material": "Rubber", "product_name": "Ergonomic Soft Hat", "product_price": 99 }, { "_id": ObjectId("5a934e000102030405000000"), "id": "9", "product_color": "azure", "product_material": "Soft", "product_name": "Awesome Wooden Ball", "product_price": 28 }, { "_id": ObjectId("5a934e000102030405000001"), "id": "2", "product_color": "indigo", "product_material": "Cotton", "product_name": "Practical Fresh Sausages", "product_price": 911 }] </pre>