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EMAIL ID : nevethasenthilkumar@gmail.com

MongoDB – CASE STUDY 1

DB Name : productdb
Collection Name : products


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    {
        "id": "1",
        "product_name": "Intelligent Fresh Chips",
        "product_price": 655.00,
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        "product_name": "Practical Fresh Sausages",
        "product_price": 911.0,
        "product_material": "Cotton",
        "product_color": "indigo"
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        "product_name": "Refined Steel Car",
        "product_price": 690.00,
        "product_material": "Rubber",
        "product_color": "gold"
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        "product_price": 492.00,
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        "product_color": "plum"
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        "product_material": "Fresh",
        "product_color": "black"
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    "product_material": "Rubber",
    "product_color": "violet"
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    "product_price": 28.00,
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    "product_name": "Generic Wooden Pizza",
    "product_price": 84.00,
    "product_material": "Frozen",
    "product_color": "indigo"
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    "product_color": "lime"
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    "product_material": "Rubber",
    "product_color": "black"
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        "product_price":47.00,
        "product_material": "Frozen",
        "product_color": "orchid"
    },
    {
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        "product_price":20.00,
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    }
]
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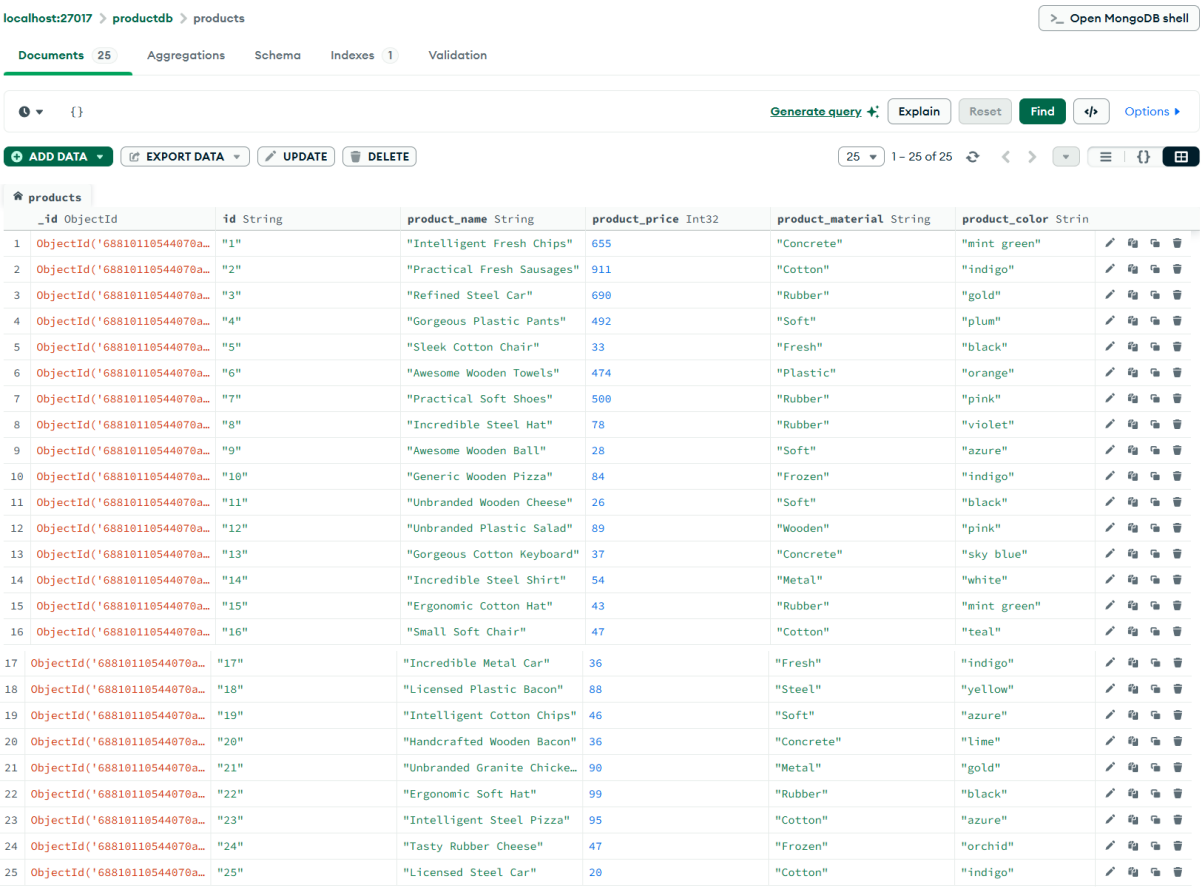
QUERIES :

1. Find all the information about each product



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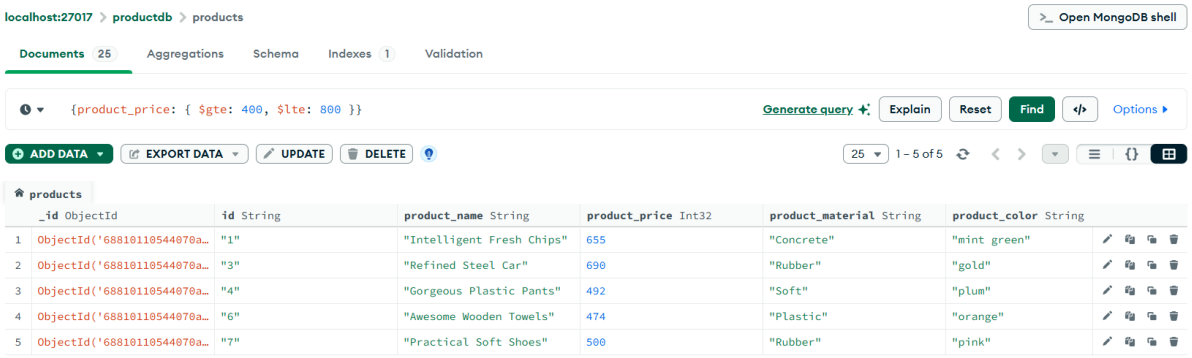
1	ObjectId('68810110544070a…	"1"	"Intelligent Fresh Chips"	655	"Concrete"	"mint green"
2	ObjectId('68810110544070a…	"2"	"Practical Fresh Sausages"	911	"Cotton"	"indigo"
3	ObjectId('68810110544070a…	"3"	"Refined Steel Car"	690	"Rubber"	"gold"
4	ObjectId('68810110544070a…	"4"	"Gorgeous Plastic Pants"	492	"Soft"	"plum"
5	ObjectId('68810110544070a…	"5"	"Sleek Cotton Chair"	33	"Fresh"	"black"
6	ObjectId('68810110544070a…	"6"	"Awesome Wooden Towels"	474	"Plastic"	"orange"
7	ObjectId('68810110544070a…	"7"	"Practical Soft Shoes"	500	"Rubber"	"pink"
8	ObjectId('68810110544070a…	"8"	"Incredible Steel Hat"	78	"Rubber"	"violet"
9	ObjectId('68810110544070a…	"9"	"Awesome Wooden Ball"	28	"Soft"	"azure"
10	ObjectId('68810110544070a…	"10"	"Generic Wooden Pizza"	84	"Frozen"	"indigo"
11	ObjectId('68810110544070a…	"11"	"Unbranded Wooden Cheese"	26	"Soft"	"black"
12	ObjectId('68810110544070a…	"12"	"Unbranded Plastic Salad"	89	"Wooden"	"pink"
13	ObjectId('68810110544070a…	"13"	"Gorgeous Cotton Keyboard"	37	"Concrete"	"sky blue"
14	ObjectId('68810110544070a…	"14"	"Incredible Steel Shirt"	54	"Metal"	"white"
15	ObjectId('68810110544070a…	"15"	"Ergonomic Cotton Hat"	43	"Rubber"	"mint green"
16	ObjectId('68810110544070a…	"16"	"Small Soft Chair"	47	"Cotton"	"teal"
17	ObjectId('68810110544070a…	"17"	"Incredible Metal Car"	36	"Fresh"	"indigo"
18	ObjectId('68810110544070a…	"18"	"Licensed Plastic Bacon"	88	"Steel"	"yellow"
19	ObjectId('68810110544070a…	"19"	"Intelligent Cotton Chips"	46	"Soft"	"azure"
20	ObjectId('68810110544070a…	"20"	"Handcrafted Wooden Bacon"	36	"Concrete"	"lime"
21	ObjectId('68810110544070a…	"21"	"Unbranded Granite Chicke…	90	"Metal"	"gold"
22	ObjectId('68810110544070a…	"22"	"Ergonomic Soft Hat"	99	"Rubber"	"black"
23	ObjectId('68810110544070a…	"23"	"Intelligent Steel Pizza"	95	"Cotton"	"azure"
24	ObjectId('68810110544070a…	"24"	"Tasty Rubber Cheese"	47	"Frozen"	"orchid"
25	ObjectId('68810110544070a…	"25"	"Licensed Steel Car"	20	"Cotton"	"indigo"

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



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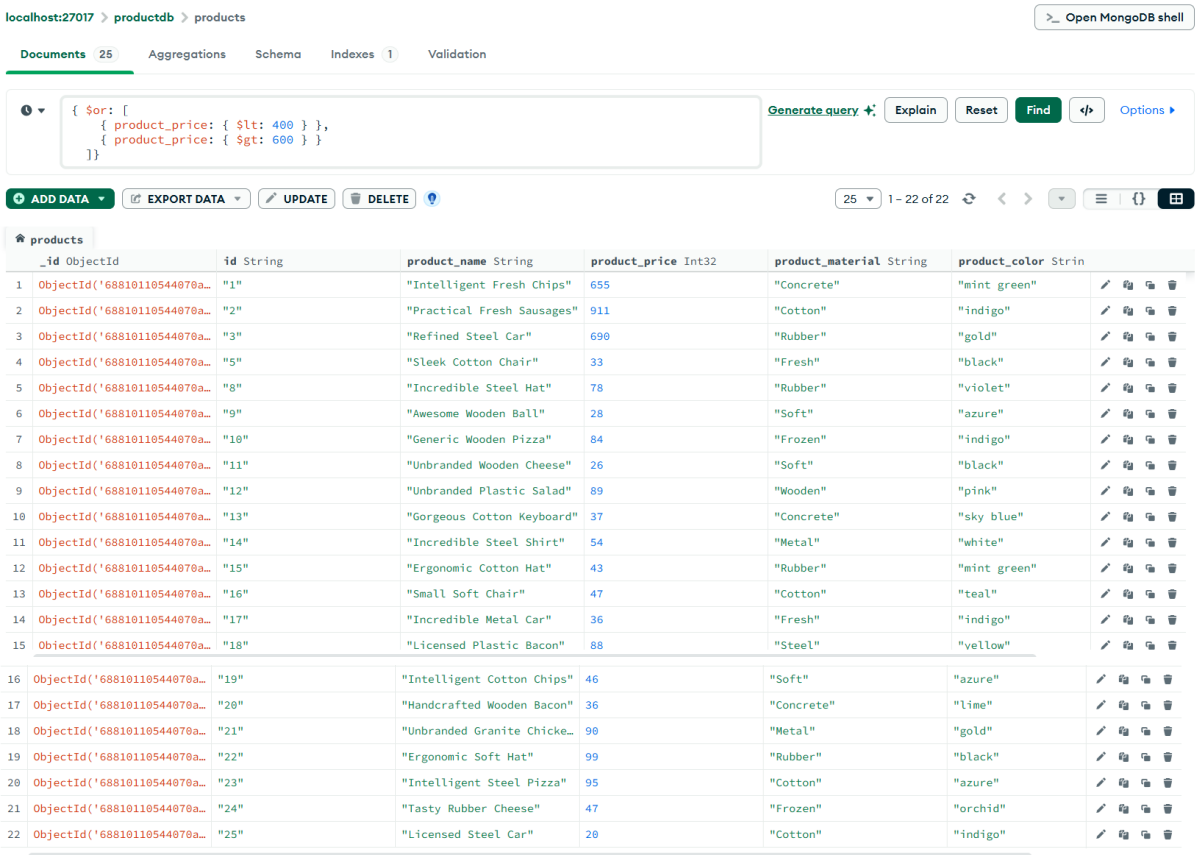
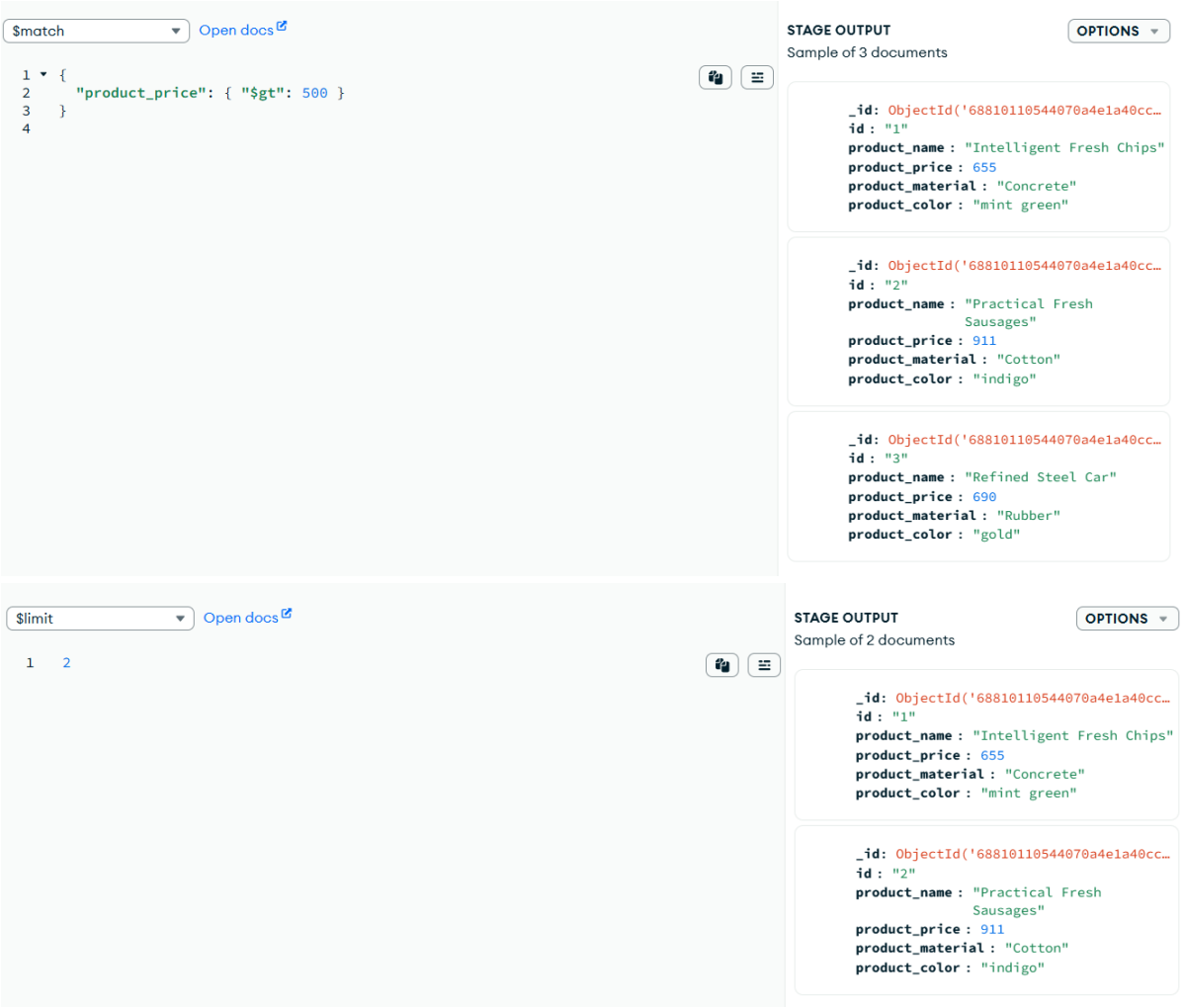
1	ObjectId('68810110544070a…	"1"	"Intelligent Fresh Chips"	655	"Concrete"	"mint green"
2	ObjectId('68810110544070a…	"3"	"Refined Steel Car"	690	"Rubber"	"gold"
3	ObjectId('68810110544070a…	"4"	"Gorgeous Plastic Pants"	492	"Soft"	"plum"
4	ObjectId('68810110544070a…	"6"	"Awesome Wooden Towels"	474	"Plastic"	"orange"
5	ObjectId('68810110544070a…	"7"	"Practical Soft Shoes"	500	"Rubber"	"pink"

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

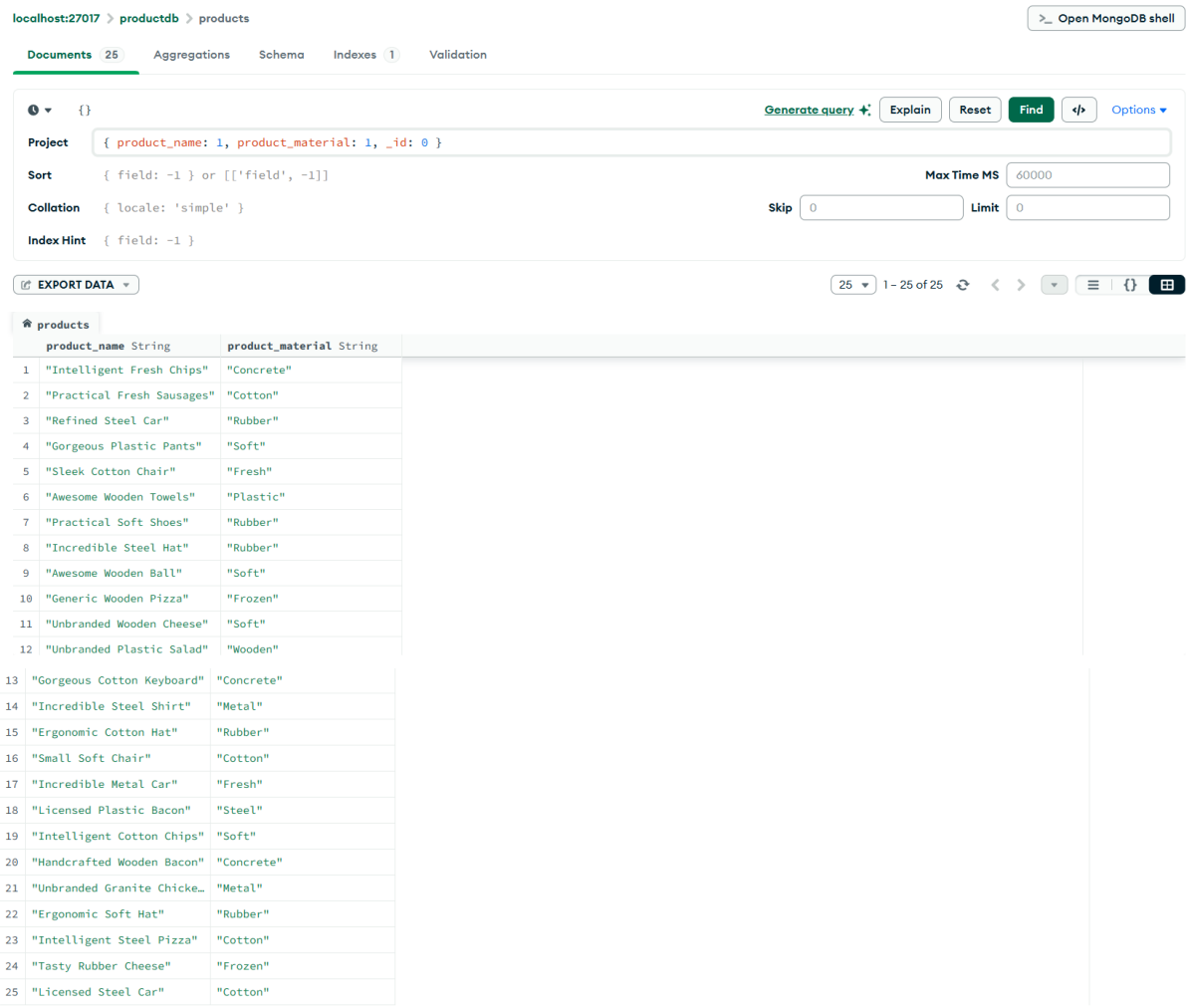


	_id ObjectId	id String	product_name String	product_price Int32	product_material String	product_color Strin
1	ObjectId('68810110544070a…	"1"	"Intelligent Fresh Chips"	655	"Concrete"	"mint green"
2	ObjectId('68810110544070a…	"2"	"Practical Fresh Sausages"	911	"Cotton"	"indigo"
3	ObjectId('68810110544070a…	"3"	"Refined Steel Car"	690	"Rubber"	"gold"
4	ObjectId('68810110544070a…	"5"	"Sleek Cotton Chair"	33	"Fresh"	"black"
5	ObjectId('68810110544070a…	"8"	"Incredible Steel Hat"	78	"Rubber"	"violet"
6	ObjectId('68810110544070a…	"9"	"Awesome Wooden Ball"	28	"Soft"	"azure"
7	ObjectId('68810110544070a…	"10"	"Generic Wooden Pizza"	84	"Frozen"	"indigo"
8	ObjectId('68810110544070a…	"11"	"Unbranded Wooden Cheese"	26	"Soft"	"black"
9	ObjectId('68810110544070a…	"12"	"Unbranded Plastic Salad"	89	"Wooden"	"pink"
10	ObjectId('68810110544070a…	"13"	"Gorgeous Cotton Keyboard"	37	"Concrete"	"sky blue"
11	ObjectId('68810110544070a…	"14"	"Incredible Steel Shirt"	54	"Metal"	"white"
12	ObjectId('68810110544070a…	"15"	"Ergonomic Cotton Hat"	43	"Rubber"	"mint green"
13	ObjectId('68810110544070a…	"16"	"Small Soft Chair"	47	"Cotton"	"teal"
14	ObjectId('68810110544070a…	"17"	"Incredible Metal Car"	36	"Fresh"	"indigo"
15	ObjectId('68810110544070a…	"18"	"Licensed Plastic Bacon"	88	"Steel"	"yellow"
16	ObjectId('68810110544070a…	"19"	"Intelligent Cotton Chips"	46	"Soft"	"azure"
17	ObjectId('68810110544070a…	"20"	"Handcrafted Wooden Bacon"	36	"Concrete"	"lime"
18	ObjectId('68810110544070a…	"21"	"Unbranded Granite Chicke…	90	"Metal"	"gold"
19	ObjectId('68810110544070a…	"22"	"Ergonomic Soft Hat"	99	"Rubber"	"black"
20	ObjectId('68810110544070a…	"23"	"Intelligent Steel Pizza"	95	"Cotton"	"azure"
21	ObjectId('68810110544070a…	"24"	"Tasty Rubber Cheese"	47	"Frozen"	"orchid"
22	ObjectId('68810110544070a…	"25"	"Licensed Steel Car"	20	"Cotton"	"indigo"

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



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

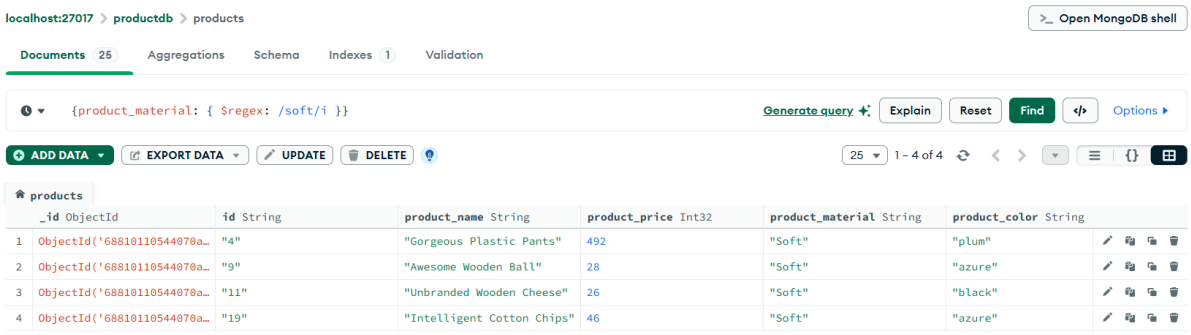


	product_name String	product_material String
1	"Intelligent Fresh Chips"	"Concrete"
2	"Practical Fresh Sausages"	"Cotton"
3	"Refined Steel Car"	"Rubber"
4	"Gorgeous Plastic Pants"	"Soft"
5	"Sleek Cotton Chair"	"Fresh"
6	"Awesome Wooden Towels"	"Plastic"
7	"Practical Soft Shoes"	"Rubber"
8	"Incredible Steel Hat"	"Rubber"
9	"Awesome Wooden Ball"	"Soft"
10	"Generic Wooden Pizza"	"Frozen"
11	"Unbranded Wooden Cheese"	"Soft"
12	"Unbranded Plastic Salad"	"Wooden"
13	"Gorgeous Cotton Keyboard"	"Concrete"
14	"Incredible Steel Shirt"	"Metal"
15	"Ergonomic Cotton Hat"	"Rubber"
16	"Small Soft Chair"	"Cotton"
17	"Incredible Metal Car"	"Fresh"
18	"Licensed Plastic Bacon"	"Steel"
19	"Intelligent Cotton Chips"	"Soft"
20	"Handcrafted Wooden Bacon"	"Concrete"
21	"Unbranded Granite Chicke…	"Metal"
22	"Ergonomic Soft Hat"	"Rubber"
23	"Intelligent Steel Pizza"	"Cotton"
24	"Tasty Rubber Cheese"	"Frozen"
25	"Licensed Steel Car"	"Cotton"

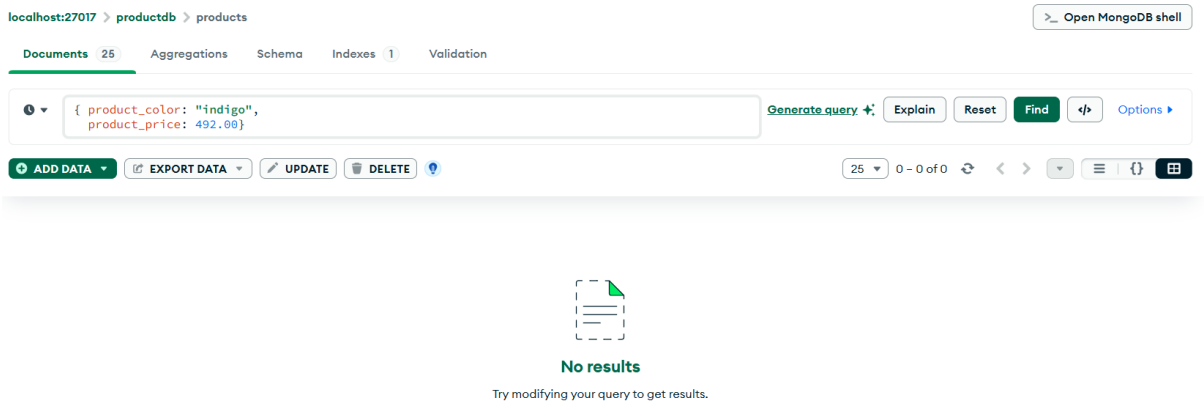
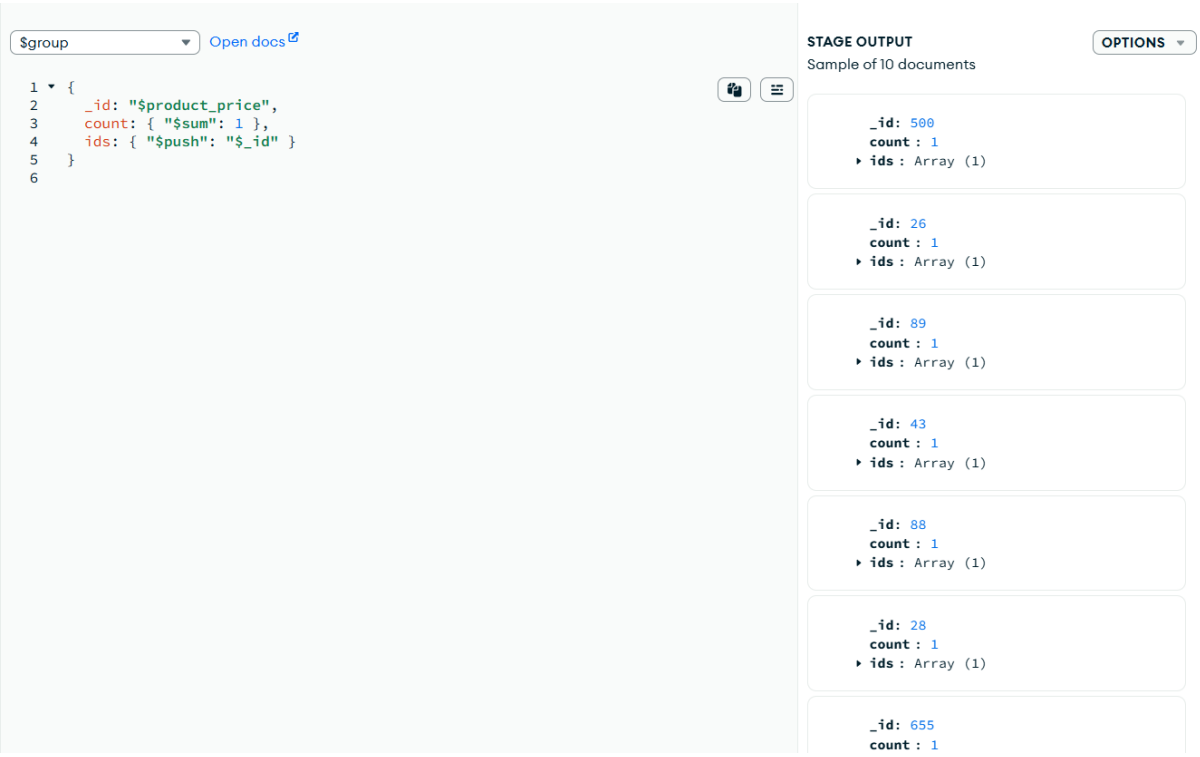
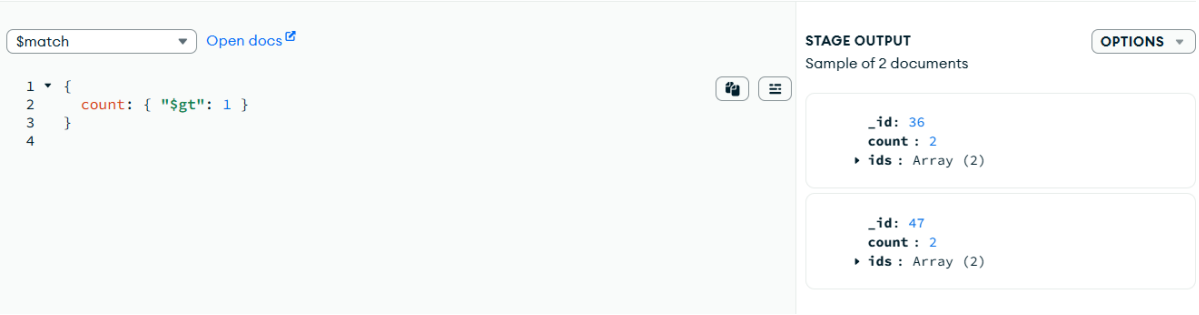
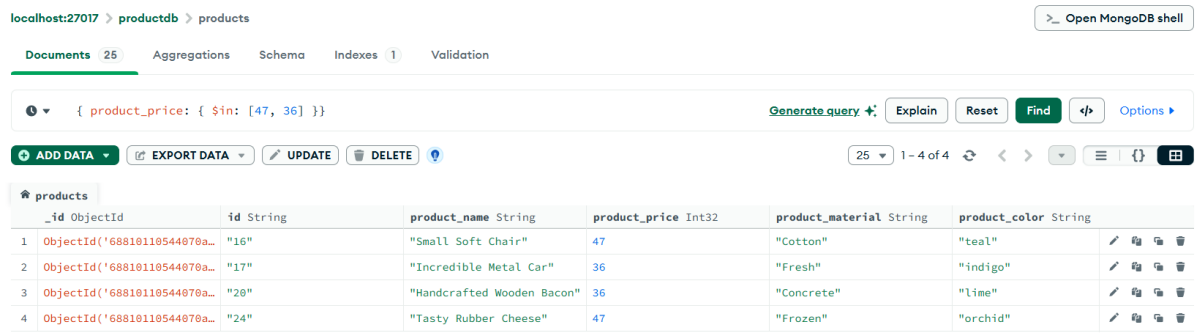
6. Find the product with a row id of 10

	_id ObjectId	id String	product_name String	product_price Int32	product_material String	product_color String
1	ObjectId('68810110544070a…	"10"	"Generic Wooden Pizza"	84	"Frozen"	"indigo"

7. Find all products which contain the value "soft" in product material (case-insensitive)



8. Find products with color = "indigo" and price = 492.00



9. Delete the products with duplicate product_price