Q1. Find all the information about each products

ANSWER)


```
Command Prompt - mongo                                                      —  □  X
Type "it" for more
> db.user.find().pretty()
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac16"),
        "id" : "1",
        "product_name" : "Intelligent Fresh Chips",
        "product_price" : 655,
        "product_material" : "Concrete",
        "product_color" : "mint green"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac17"),
        "id" : "2",
        "product_name" : "Practical Fresh Sausages",
        "product_price" : 911,
        "product_material" : "Cotton",
        "product_color" : "indigo"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac18"),
        "id" : "3",
        "product_name" : "Refined Steel Car",
        "product_price" : 690,
        "product_material" : "Rubber",
        "product_color" : "gold"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac19"),
        "id" : "4",
        "product_name" : "Gorgeous Plastic Pants",
        "product_price" : 492,
        "product_material" : "Soft",
        "product_color" : "plum"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac1a"),
        "id" : "5",
        "product_name" : "Sleek Cotton Chair",
        "product_price" : 33,
        "product_material" : "Fresh",
        "product_color" : "black"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac1b"),
```



```
Command Prompt - mongo                                                      —  □  X
        "product_color" : "black"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac1b"),
        "id" : "6",
        "product_name" : "Awesome Wooden Towels",
        "product_price" : 474,
        "product_material" : "Plastic",
        "product_color" : "orange"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac1c"),
        "id" : "7",
        "product_name" : "Practical Soft Shoes",
        "product_price" : 500,
        "product_material" : "Rubber",
        "product_color" : "pink"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac1d"),
        "id" : "8",
        "product_name" : "Incredible Steel Hat",
        "product_price" : 78,
        "product_material" : "Rubber",
        "product_color" : "violet"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac1e"),
        "id" : "9",
        "product_name" : "Awesome Wooden Ball",
        "product_price" : 28,
        "product_material" : "Soft",
        "product_color" : "azure"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac1f"),
        "id" : "10",
        "product_name" : "Generic Wooden Pizza",
        "product_price" : 84,
        "product_material" : "Frozen",
        "product_color" : "indigo"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac20"),
```

```
        "product_color" : "indigo"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac20"),
        "id" : "11",
        "product_name" : "Unbranded Wooden Cheese",
        "product_price" : 26,
        "product_material" : "Soft",
        "product_color" : "black"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac21"),
        "id" : "12",
        "product_name" : "Unbranded Plastic Salad",
        "product_price" : 89,
        "product_material" : "Wooden",
        "product_color" : "pink"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac22"),
        "id" : "13",
        "product_name" : "Gorgeous Cotton Keyboard",
        "product_price" : 37,
        "product_material" : "Concrete",
        "product_color" : "sky blue"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac23"),
        "id" : "14",
        "product_name" : "Incredible Steel Shirt",
        "product_price" : 54,
        "product_material" : "Metal",
        "product_color" : "white"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac24"),
        "id" : "15",
        "product_name" : "Ergonomic Cotton Hat",
        "product_price" : 43,
        "product_material" : "Rubber",
        "product_color" : "mint green"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac25"),
```

```
        "product_color" : "mint green"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac25"),
        "id" : "16",
        "product_name" : "Small Soft Chair",
        "product_price" : 47,
        "product_material" : "Cotton",
        "product_color" : "teal"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac26"),
        "id" : "17",
        "product_name" : "Incredible Metal Car",
        "product_price" : 36,
        "product_material" : "Fresh",
        "product_color" : "indigo"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac27"),
        "id" : "18",
        "product_name" : "Licensed Plastic Bacon",
        "product_price" : 88,
        "product_material" : "Steel",
        "product_color" : "yellow"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac28"),
        "id" : "19",
        "product_name" : "Intelligent Cotton Chips",
        "product_price" : 46,
        "product_material" : "Soft",
        "product_color" : "azure"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac29"),
        "id" : "20",
        "product_name" : "Handcrafted Wooden Bacon",
        "product_price" : 36,
        "product_material" : "Concrete",
        "product_color" : "lime"
}
```

Q2. Find the product price which are between 400 to 800

ANSWER)

```
Type "it" for more
> db.user.find({product_price:{ $gt: 400,$lt: 800 }}).pretty()
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac16"),
        "id" : "1",
        "product_name" : "Intelligent Fresh Chips",
        "product_price" : 655,
        "product_material" : "Concrete",
        "product_color" : "mint green"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac18"),
        "id" : "3",
        "product_name" : "Refined Steel Car",
        "product_price" : 690,
        "product_material" : "Rubber",
        "product_color" : "gold"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac19"),
        "id" : "4",
        "product_name" : "Gorgeous Plastic Pants",
        "product_price" : 492,
        "product_material" : "Soft",
        "product_color" : "plum"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac1b"),
        "id" : "6",
        "product_name" : "Awesome Wooden Towels",
        "product_price" : 474,
        "product_material" : "Plastic",
        "product_color" : "orange"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac1c"),
        "id" : "7",
        "product_name" : "Practical Soft Shoes",
        "product_price" : 500,
        "product_material" : "Rubber",
        "product_color" : "pink"
}
```

Q3. Find the product price which are not between 400 to 600

ANSWER)

```
Command Prompt - mongo
Type "it" for more
> db.user.find({$or:[{product_price:{$lte:400}},{product_price:{$gte:600}}]}).pretty()
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac16"),
        "id" : "1",
        "product_name" : "Intelligent Fresh Chips",
        "product_price" : 655,
        "product_material" : "Concrete",
        "product_color" : "mint green"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac17"),
        "id" : "2",
        "product_name" : "Practical Fresh Sausages",
        "product_price" : 911,
        "product_material" : "Cotton",
        "product_color" : "indigo"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac18"),
        "id" : "3",
        "product_name" : "Refined Steel Car",
        "product_price" : 690,
        "product_material" : "Rubber",
        "product_color" : "gold"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac1a"),
        "id" : "5",
        "product_name" : "Sleek Cotton Chair",
        "product_price" : 33,
        "product_material" : "Fresh",
        "product_color" : "black"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac1d"),
        "id" : "8",
        "product_name" : "Incredible Steel Hat",
        "product_price" : 78,
        "product_material" : "Rubber",
        "product_color" : "violet"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac1e"),
```
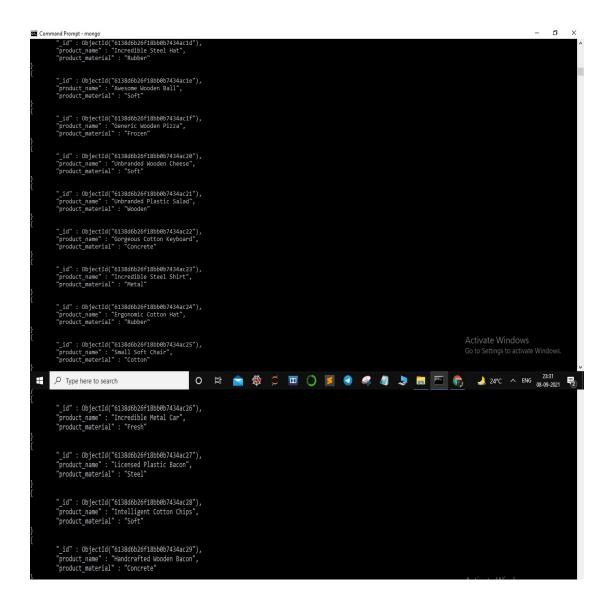
```
        "product_color" : "violet"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac1e"),
        "id" : "9",
        "product_name" : "Awesome Wooden Ball",
        "product_price" : 28,
        "product_material" : "Soft",
        "product_color" : "azure"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac1f"),
        "id" : "10",
        "product_name" : "Generic Wooden Pizza",
        "product_price" : 84,
        "product_material" : "Frozen",
        "product_color" : "indigo"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac20"),
        "id" : "11",
        "product_name" : "Unbranded Wooden Cheese",
        "product_price" : 26,
        "product_material" : "Soft",
        "product_color" : "black"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac21"),
        "id" : "12",
        "product_name" : "Unbranded Plastic Salad",
        "product_price" : 89,
        "product_material" : "Wooden",
        "product_color" : "pink"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac22"),
        "id" : "13",
        "product_name" : "Gorgeous Cotton Keyboard",
        "product_price" : 37,
        "product_material" : "Concrete",
        "product_color" : "sky blue"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac23"),
```

Activate Windows
Go to Settings to activate Windows.

        "product_color" : "sky blue"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac23"),
        "id" : "14",
        "product_name" : "Incredible Steel Shirt",
        "product_price" : 54,
        "product_material" : "Metal",
        "product_color" : "white"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac24"),
        "id" : "15",
        "product_name" : "Ergonomic Cotton Hat",
        "product_price" : 43,
        "product_material" : "Rubber",
        "product_color" : "mint green"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac25"),
        "id" : "16",
        "product_name" : "Small Soft Chair",
        "product_price" : 47,
        "product_material" : "Cotton",
        "product_color" : "teal"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac26"),
        "id" : "17",
        "product_name" : "Incredible Metal Car",
        "product_price" : 36,
        "product_material" : "Fresh",
        "product_color" : "indigo"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac27"),
        "id" : "18",
        "product_name" : "Licensed Plastic Bacon",
        "product_price" : 88,
        "product_material" : "Steel",
        "product_color" : "yellow"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac28"),

        "product_color" : "yellow"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac28"),
        "id" : "19",
        "product_name" : "Intelligent Cotton Chips",
        "product_price" : 46,
        "product_material" : "Soft",
        "product_color" : "azure"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac29"),
        "id" : "20",
        "product_name" : "Handcrafted Wooden Bacon",
        "product_price" : 36,
        "product_material" : "Concrete",
        "product_color" : "lime"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac2a"),
        "id" : "21",
        "product_name" : "Unbranded Granite Chicken",
        "product_price" : 90,
        "product_material" : "Metal",
        "product_color" : "gold"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac2b"),
        "id" : "22",
        "product_name" : "Ergonomic Soft Hat",
        "product_price" : 99,
        "product_material" : "Rubber",
        "product_color" : "black"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac2c"),
        "id" : "23",
        "product_name" : "Intelligent Steel Pizza",
        "product_price" : 95,
        "product_material" : "Cotton",
        "product_color" : "azure"
}

Q4. List the four product which are grater than 500 in price

ANSWER)

```
> db.user.find({product_price:{ $gt: 500 }}).pretty()
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac16"),
    "id" : "1",
    "product_name" : "Intelligent Fresh Chips",
    "product_price" : 655,
    "product_material" : "Concrete",
    "product_color" : "mint green"
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac17"),
    "id" : "2",
    "product_name" : "Practical Fresh Sausages",
    "product_price" : 911,
    "product_material" : "Cotton",
    "product_color" : "indigo"
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac18"),
    "id" : "3",
    "product_name" : "Refined Steel Car",
    "product_price" : 690,
    "product_material" : "Rubber",
    "product_color" : "gold"
}
>
```

Q5. Find the product name and product material of each products

ANSWER)

```
> db.user.find({},{product_name:1,product_material:1}).pretty()
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac16"),
    "product_name" : "Intelligent Fresh Chips",
    "product_material" : "Concrete"
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac17"),
    "product_name" : "Practical Fresh Sausages",
    "product_material" : "Cotton"
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac18"),
    "product_name" : "Refined Steel Car",
    "product_material" : "Rubber"
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac19"),
    "product_name" : "Gorgeous Plastic Pants",
    "product_material" : "Soft"
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac1a"),
    "product_name" : "Sleek Cotton Chair",
    "product_material" : "Fresh"
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac1b"),
    "product_name" : "Awesome Wooden Towels",
    "product_material" : "Plastic"
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac1c"),
    "product_name" : "Practical Soft Shoes",
    "product_material" : "Rubber"
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac1d"),
    "product_name" : "Incredible Steel Hat",
    "product_material" : "Rubber"
}
```

```
        "_id" : ObjectId("6138d6b26f18bb0b7434ac1d"),
        "product_name" : "Incredible Steel Hat",
        "product_material" : "Rubber"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac1e"),
        "product_name" : "Awesome Wooden Ball",
        "product_material" : "Soft"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac1f"),
        "product_name" : "Generic Wooden Pizza",
        "product_material" : "Frozen"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac20"),
        "product_name" : "Unbranded Wooden Cheese",
        "product_material" : "Soft"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac21"),
        "product_name" : "Unbranded Plastic Salad",
        "product_material" : "Wooden"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac22"),
        "product_name" : "Gorgeous Cotton Keyboard",
        "product_material" : "Concrete"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac23"),
        "product_name" : "Incredible Steel Shirt",
        "product_material" : "Metal"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac24"),
        "product_name" : "Ergonomic Cotton Hat",
        "product_material" : "Rubber"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac25"),
        "product_name" : "Small Soft Chair",
        "product_material" : "Cotton"
}
```

```
        "_id" : ObjectId("6138d6b26f18bb0b7434ac26"),
        "product_name" : "Incredible Metal Car",
        "product_material" : "Fresh"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac27"),
        "product_name" : "Licensed Plastic Bacon",
        "product_material" : "Steel"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac28"),
        "product_name" : "Intelligent Cotton Chips",
        "product_material" : "Soft"
}
{
        "_id" : ObjectId("6138d6b26f18bb0b7434ac29"),
        "product_name" : "Handcrafted Wooden Bacon",
        "product_material" : "Concrete"
}
```

Q6. Find the product with a row id of 10

ANSWER)

```
> db.user.find( { id: { $eq:"10"}})
{ "_id" : ObjectId("6138d6b26f18bb0b7434ac1f"), "id" : "10", "product_name" : "Generic Wooden Pizza", "product_price" : 84, "product_material" : "Frozen", "product_colo
r" : "indigo" }
>
```

Q7. Find only the product name and product material

ANSWER)

```
> db.user.find({},{product_name:1,product_material:1}).pretty()
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac16"),
    "product_name" : "Intelligent Fresh Chips",
    "product_material" : "Concrete"
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac17"),
    "product_name" : "Practical Fresh Sausages",
    "product_material" : "Cotton"
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac18"),
    "product_name" : "Refined Steel Car",
    "product_material" : "Rubber"
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac19"),
    "product_name" : "Gorgeous Plastic Pants",
    "product_material" : "Soft"
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac1a"),
    "product_name" : "Sleek Cotton Chair",
    "product_material" : "Fresh"
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac1b"),
    "product_name" : "Awesome Wooden Towels",
    "product_material" : "Plastic"
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac1c"),
    "product_name" : "Practical Soft Shoes",
    "product_material" : "Rubber"
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac1d"),
    "product_name" : "Incredible Steel Hat",
    "product_material" : "Rubber"
}
```

Command Prompt - mongo

```
    "_id" : ObjectId("6138d6b26f18bb0b7434ac1d"),
    "product_name" : "Incredible Steel Hat",
    "product_material" : "Rubber"
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac1e"),
    "product_name" : "Awesome Wooden Ball",
    "product_material" : "Soft"
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac1f"),
    "product_name" : "Generic Wooden Pizza",
    "product_material" : "Frozen"
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac20"),
    "product_name" : "Unbranded Wooden Cheese",
    "product_material" : "Soft"
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac21"),
    "product_name" : "Unbranded Plastic Salad",
    "product_material" : "Wooden"
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac22"),
    "product_name" : "Gorgeous Cotton Keyboard",
    "product_material" : "Concrete"
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac23"),
    "product_name" : "Incredible Steel Shirt",
    "product_material" : "Metal"
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac24"),
    "product_name" : "Ergonomic Cotton Hat",
    "product_material" : "Rubber"
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac25"),
    "product_name" : "Small Soft Chair",
    "product_material" : "Cotton"
}
```

```
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac26"),
    "product_name" : "Incredible Metal Car",
    "product_material" : "Fresh"
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac27"),
    "product_name" : "Licensed Plastic Bacon",
    "product_material" : "Steel"
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac28"),
    "product_name" : "Intelligent Cotton Chips",
    "product_material" : "Soft"
}
{
    "_id" : ObjectId("6138d6b26f18bb0b7434ac29"),
    "product_name" : "Handcrafted Wooden Bacon",
    "product_material" : "Concrete"
}
Type "it" for more
```

Q8. Find all products which contain the value of soft in product material

ANSWER)

```
Command Prompt - mongo                                                          –  □  X
> db.user.find( { product_material: { $eq:"Soft"}})
{ "_id" : ObjectId("6138d6b26f18bb0b7434ac19"), "id" : "4", "product_name" : "Gorgeous Plastic Pants", "product_price" : 492, "product_material" : "Soft", "product_colo
r" : "plum" }
{ "_id" : ObjectId("6138d6b26f18bb0b7434ac1e"), "id" : "9", "product_name" : "Awesome Wooden Ball", "product_price" : 28, "product_material" : "Soft", "product_color" :
"azure" }
{ "_id" : ObjectId("6138d6b26f18bb0b7434ac20"), "id" : "11", "product_name" : "Unbranded Wooden Cheese", "product_price" : 26, "product_material" : "Soft", "product_col
or" : "black" }
{ "_id" : ObjectId("6138d6b26f18bb0b7434ac28"), "id" : "19", "product_name" : "Intelligent Cotton Chips", "product_price" : 46, "product_material" : "Soft", "product_co
lor" : "azure" }
```

Q9. Find products which contain product color indigo and product price 492.00

ANSWER)

```
Command Prompt - mongo                                                          –  □  X
r" : "indigo" }
> db.user.find({$and:[{product_price:{$eq:492.00}},{product_color:{$eq:"indigo"}}]}).pretty()
>
```

=> NULL(No such values exist)