

1. Find all the information about each products

```
Atlas atlas-okgums-shard-0 [primary] productDB> db.products.find()
[
  {
    _id: ObjectId("6759d68022ce42dc65f21d8d"),
    id: '1',
    product_name: 'Intelligent Fresh Chips',
    product_price: 655,
    product_material: 'Concrete',
    product_color: 'mint green'
  },
  {
    _id: ObjectId("6759d68022ce42dc65f21d8e"),
    id: '2',
    product_name: 'Practical Fresh Sausages',
    product_price: 911,
    product_material: 'Cotton',
    product_color: 'indigo'
  },
  {
    _id: ObjectId("6759d68022ce42dc65f21d8f"),
    id: '3',
    product_name: 'Refined Steel Car',
    product_price: 690,
    product_material: 'Rubber',
    product_color: 'gold'
  },
  {
    _id: ObjectId("6759d68022ce42dc65f21d90"),
    id: '4',
    product_name: 'Gorgeous Plastic Pants',
    product_price: 492,
    product_material: 'Soft',
    product_color: 'plum'
  }
]
```

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

```
Atlas atlas-okgums-shard-0 [primary] productDB> db.products.find({
...   product_price: { $gte: 400, $lte: 800 }
... })
[
  {
    _id: ObjectId("6759d68022ce42dc65f21d8d"),
    id: '1',
    product_name: 'Intelligent Fresh Chips',
    product_price: 655,
    product_material: 'Concrete',
    product_color: 'mint green'
  },
  {
    _id: ObjectId("6759d68022ce42dc65f21d8f"),
    id: '3',
    product_name: 'Refined Steel Car',
    product_price: 690,
    product_material: 'Rubber',
    product_color: 'gold'
  },
  {
    _id: ObjectId("6759d68022ce42dc65f21d90"),
    id: '4',
    product_name: 'Gorgeous Plastic Pants',
    product_price: 492,
    product_material: 'Soft',
    product_color: 'plum'
  },
  {
    _id: ObjectId("6759d68022ce42dc65f21d92"),
    id: '6',
    product_name: 'Awesome Wooden Towels',
    product_price: 474,
    product_material: 'Plastic',
    product_color: 'orange'
  }
]
```

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

```
Atlas atlas-okgums-shard-0 [primary] productDB> db.products.find({ product_price: { $lt: 400, $gt: 600 } })
Atlas atlas-okgums-shard-0 [primary] productDB> |
```

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

```
Atlas atlas-okgums-shard-0 [primary] productDB> db.products.find({ product_price: { $gt: 500 } }).limit(4)
[
  {
    _id: ObjectId("6759d68022ce42dc65f21d8d"),
    id: '1',
    product_name: 'Intelligent Fresh Chips',
    product_price: 655,
    product_material: 'Concrete',
    product_color: 'mint green'
  },
  {
    _id: ObjectId("6759d68022ce42dc65f21d8e"),
    id: '2',
    product_name: 'Practical Fresh Sausages',
    product_price: 911,
    product_material: 'Cotton',
    product_color: 'indigo'
  },
  {
    _id: ObjectId("6759d68022ce42dc65f21d8f"),
    id: '3',
    product_name: 'Refined Steel Car',
    product_price: 690,
    product_material: 'Rubber',
    product_color: 'gold'
  }
]
Atlas atlas-okgums-shard-0 [primary] productDB> |
```

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

```
Atlas atlas-okgums-shard-0 [primary] productDB> db.products.find({}, { p
product_name: 1, product_material: 1 })
[
  {
    _id: ObjectId("6759d68022ce42dc65f21d8d"),
    product_name: 'Intelligent Fresh Chips',
    product_material: 'Concrete'
  },
  {
    _id: ObjectId("6759d68022ce42dc65f21d8e"),
    product_name: 'Practical Fresh Sausages',
    product_material: 'Cotton'
  },
  {
    _id: ObjectId("6759d68022ce42dc65f21d8f"),
    product_name: 'Refined Steel Car',
    product_material: 'Rubber'
  },
  {
    _id: ObjectId("6759d68022ce42dc65f21d90"),
    product_name: 'Gorgeous Plastic Pants',
    product_material: 'Soft'
  },
  {
    _id: ObjectId("6759d68022ce42dc65f21d91"),
    product_name: 'Sleek Cotton Chair',
    product_material: 'Fresh'
  },
  {
    _id: ObjectId("6759d68022ce42dc65f21d92"),
    product_name: 'Awesome Wooden Towels',
    product_material: 'Plastic'
  }
]
```

6. Find the product with a row id of 10

```
Atlas atlas-okgums-shard-0 [primary] productDB> db.products.find({ id: "
10" })
[
  {
    _id: ObjectId("6759d68022ce42dc65f21d96"),
    id: '10',
    product_name: 'Generic Wooden Pizza',
    product_price: 84,
    product_material: 'Frozen',
    product_color: 'indigo'
  }
]
Atlas atlas-okgums-shard-0 [primary] productDB> |
```

7. Find only the product name and product material

```
Atlas atlas-okgums-shard-0 [primary] productDB> db.products.find({}, { p
product_name: 1, product_material: 1 })
[
  {
    _id: ObjectId("6759d68022ce42dc65f21d8d"),
    product_name: 'Intelligent Fresh Chips',
    product_material: 'Concrete'
  },
  {
    _id: ObjectId("6759d68022ce42dc65f21d8e"),
    product_name: 'Practical Fresh Sausages',
    product_material: 'Cotton'
  },
  {
    _id: ObjectId("6759d68022ce42dc65f21d8f"),
    product_name: 'Refined Steel Car',
    product_material: 'Rubber'
  },
  {
    _id: ObjectId("6759d68022ce42dc65f21d90"),
    product_name: 'Gorgeous Plastic Pants',
    product_material: 'Soft'
  },
  {
    _id: ObjectId("6759d68022ce42dc65f21d91"),
    product_name: 'Sleek Cotton Chair',
    product_material: 'Fresh'
  }
]
```

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

```
Atlas atlas-okgums-shard-0 [primary] productDB> db.products.find({ product_material: /Soft/i })
[
  {
    _id: ObjectId("6759d68022ce42dc65f21d90"),
    id: '4',
    product_name: 'Gorgeous Plastic Pants',
    product_price: 492,
    product_material: 'Soft',
    product_color: 'plum'
  },
  {
    _id: ObjectId("6759d68022ce42dc65f21d97"),
    id: '11',
    product_name: 'Unbranded Wooden Cheese',
    product_price: 26,
    product_material: 'Soft',
    product_color: 'black'
  },
  {
    _id: ObjectId("6759d68022ce42dc65f21d9f"),
    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

```
Atlas atlas-okgums-shard-0 [primary] productDB> db.products.find({ product_color: "indigo", product_price: 492.00 })

Atlas atlas-okgums-shard-0 [primary] productDB> |
```

10. Delete the products which product price value are 28

```
Atlas atlas-okgums-shard-0 [primary] productDB> db.products.deleteMany({
  product_price: 28 })
{ acknowledged: true, deletedCount: 0 }
Atlas atlas-okgums-shard-0 [primary] productDB> db.products.find()
[
  {
    _id: ObjectId("6759d68022ce42dc65f21d8d"),
    id: '1',
    product_name: 'Intelligent Fresh Chips',
    product_price: 655,
    product_material: 'Concrete',
    product_color: 'mint green'
  },
  {
    _id: ObjectId("6759d68022ce42dc65f21d8e"),
    id: '2',
    product_name: 'Practical Fresh Sausages',
    product_price: 911,
    product_material: 'Cotton',
```