

Curso: Programación Backend

Comisión: 18335

Desafío: CRUD en MongoDB

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Consigna: Utilizando Mongo Shell, crear una base de datos llamada *ecommerce* que contenga dos colecciones: mensajes y productos.

1. Agregar 10 documentos con valores distintos a las colecciones mensajes y productos. El formato de los documentos debe estar en correspondencia con el que venimos utilizando en el entregable con base de datos MariaDB.

```
--
use ecommerce
switched to db ecommerce
db.products.find()
{"_id" : ObjectId("6233f5009b01e19482f9b53d"), "name" : "micro intel i5", "price" : 4500, "stock" : 15 }
{"_id" : ObjectId("6233f5119b01e19482f9b53e"), "name" : "memoria crucial 32GB RGB", "price" : 1000, "stock" : 50 }
{"_id" : ObjectId("6233f51e9b01e19482f9b53f"), "name" : "Gabinete Sentey Z20", "price" : 750, "stock" : 30 }
{"_id" : ObjectId("6233f52b9b01e19482f9b540"), "name" : "disco ssd 1TB WD", "price" : 1500, "stock" : 60 }
{"_id" : ObjectId("6233f5349b01e19482f9b541"), "name" : "disco rigido 1TB WD", "price" : 500, "stock" : 80 }
{"_id" : ObjectId("6233f53e9b01e19482f9b542"), "name" : "motherboard asus Z490 TUF Wifi", "price" : 2500, "stock" : 35 }
{"_id" : ObjectId("6233f5519b01e19482f9b543"), "name" : "monitor Samsung 24 pulgadas curvo", "price" : 1750, "stock" : 25 }
db.products.insertOne({name:"webcam Logitech 922",price:950,stock:55})
  "acknowledged" : true,
  "insertedId" : ObjectId("6233f6fe4372ce2548040975")
db.products.insertOne({name:"Cooler RGB socket 1200",price:250,stock:90})
  "acknowledged" : true,
  "insertedId" : ObjectId("6233f71a4372ce2548040976")
db.products.insertOne({name:"Placa Wifi USB Tplink T2U",price:200,stock:80})
  "acknowledged" : true,
  "insertedId" : ObjectId("6233f7834372ce2548040977")
```

```

db.chats.insertOne({message:"Hola, ¿cómo estás?"})
    "acknowledged" : true,
    "insertedId" : ObjectId("6233f7db4372ce2548040978")
db.chats.insertOne({message:"Muy bien, ¿vos?"})
    "acknowledged" : true,
    "insertedId" : ObjectId("6233f7e64372ce2548040979")
db.chats.insertOne({message:"Bien, gracias. Quería hacer una consulta sobre un disco SSD"})
    "acknowledged" : true,
    "insertedId" : ObjectId("6233f8014372ce254804097a")
db.chats.insertOne({message:"Sí, decime la consulta"})
    "acknowledged" : true,
    "insertedId" : ObjectId("6233f8174372ce254804097b")
db.chats.insertOne({message:"¿Cuál es más rápido? ¿El M2 o el SATA?"})
    "acknowledged" : true,
    "insertedId" : ObjectId("6233f82f4372ce254804097c")
db.chats.insertOne({message:"Te recomiendo el disco M2. Tiene una velocidad máxima de 4GB/s contra los 600MB/s del Sata"})
    "acknowledged" : true,
    "insertedId" : ObjectId("6233f8864372ce254804097d")
db.chats.insertOne({message:"¡Muy bien! ¿Qué marcas recomiendas?"})
    "acknowledged" : true,
    "insertedId" : ObjectId("6233f8964372ce254804097e")
db.chats.insertOne({message:"Claramente, Western Digital"})
    "acknowledged" : true,
    "insertedId" : ObjectId("6233f8b04372ce254804097f")
db.chats.insertOne({message:"Perfecto, quiero uno de 1TB"})
    "acknowledged" : true,
    "insertedId" : ObjectId("6233f8bc4372ce2548040980")
db.chats.insertOne({message:"Bien. Sale 1500 pesos."})
    "acknowledged" : true,
    "insertedId" : ObjectId("6233f8d84372ce2548040981")

```

2. Definir las claves de los documentos en relación con los campos de las tablas de esa base. En el caso de los productos, poner valores al campo precio entre los 100 y 5000 pesos (eligiendo valores intermedios, ej.: 120, 580, 900, 1280, 1700, 2300, 2860, 3350, 4320, 4990).

```
--
use ecommerce
switched to db ecommerce
db.products.find()
{"_id" : ObjectId("6233f5009b01e19482f9b53d"), "name" : "micro intel i5", "price" : 4500, "stock" : 15 }
{"_id" : ObjectId("6233f5119b01e19482f9b53e"), "name" : "memoria crucial 32GB RGB", "price" : 1000, "stock" : 50 }
{"_id" : ObjectId("6233f51a9b01e19482f9b53f"), "name" : "Gabinete Sentey Z20", "price" : 750, "stock" : 30 }
{"_id" : ObjectId("6233f52b9b01e19482f9b540"), "name" : "disco ssd 1TB WD", "price" : 1500, "stock" : 60 }
{"_id" : ObjectId("6233f5349b01e19482f9b541"), "name" : "disco rigido 1TB WD", "price" : 500, "stock" : 80 }
{"_id" : ObjectId("6233f53e9b01e19482f9b542"), "name" : "motherboard asus Z490 TUF Wifi", "price" : 2500, "stock" : 35 }
{"_id" : ObjectId("6233f5519b01e19482f9b543"), "name" : "monitor Samsung 24 pulgadas curvo", "price" : 1750, "stock" : 25 }
db.products.insertOne({name:"webcam Logitech 922",price:950,stock:55})

{"acknowledged" : true,
"insertedId" : ObjectId("6233f6fe4372ce2548040975")}

db.products.insertOne({name:"Cooler RGB socket 1200",price:250,stock:90})

{"acknowledged" : true,
"insertedId" : ObjectId("6233f71a4372ce2548040976")}

db.products.insertOne({name:"Placa Wifi USB Tplink T2U",price:200,stock:80})

{"acknowledged" : true,
"insertedId" : ObjectId("6233f7834372ce2548040977")}
```

3. Listar todos los documentos en cada colección.

```
> db.chats.estimatedDocumentCount()
10
> db.products.estimatedDocumentCount()
10
> db.chats.find()
{"_id" : ObjectId("6233f7db4372ce2548040978"), "message" : "Hola, ¿cómo estás?" }
{"_id" : ObjectId("6233f7e64372ce2548040979"), "message" : "Muy bien, ¿vos?" }
{"_id" : ObjectId("6233f8014372ce254804097a"), "message" : "Bien, gracias. Quería hacer una consulta sobre un disco SSD" }
{"_id" : ObjectId("6233f8174372ce254804097b"), "message" : "Sí, decime la consulta" }
{"_id" : ObjectId("6233f82f4372ce254804097c"), "message" : "¿Cuál es más rápido? ¿El M2 o el SATA?" }
{"_id" : ObjectId("6233f8864372ce254804097d"), "message" : "Te recomiendo el disco M2. Tiene una velocidad máxima de 4GB/s contra los 600MB/s del Sata" }
{"_id" : ObjectId("6233f8964372ce254804097e"), "message" : "¡Muy bien! ¿Qué marcas recomiendas?" }
{"_id" : ObjectId("6233f8b04372ce254804097f"), "message" : "Claramente, Western Digital" }
{"_id" : ObjectId("6233f8bc4372ce2548040980"), "message" : "Perfecto, quiero uno de 1TB" }
{"_id" : ObjectId("6233f8d84372ce2548040981"), "message" : "Bien. Sale 1500 pesos." }
> db.products.find()
{"_id" : ObjectId("6233f5009b01e19482f9b53d"), "name" : "micro intel i5", "price" : 4500, "stock" : 15 }
{"_id" : ObjectId("6233f5119b01e19482f9b53e"), "name" : "memoria crucial 32GB RGB", "price" : 1000, "stock" : 50 }
{"_id" : ObjectId("6233f51a9b01e19482f9b53f"), "name" : "Gabinete Sentey Z20", "price" : 750, "stock" : 30 }
{"_id" : ObjectId("6233f52b9b01e19482f9b540"), "name" : "disco ssd 1TB WD", "price" : 1500, "stock" : 60 }
{"_id" : ObjectId("6233f5349b01e19482f9b541"), "name" : "disco rigido 1TB WD", "price" : 500, "stock" : 80 }
{"_id" : ObjectId("6233f53e9b01e19482f9b542"), "name" : "motherboard asus Z490 TUF Wifi", "price" : 2500, "stock" : 35 }
{"_id" : ObjectId("6233f5519b01e19482f9b543"), "name" : "monitor Samsung 24 pulgadas curvo", "price" : 1750, "stock" : 25 }
{"_id" : ObjectId("6233f6fe4372ce2548040975"), "name" : "webcam Logitech 922", "price" : 950, "stock" : 55 }
{"_id" : ObjectId("6233f71a4372ce2548040976"), "name" : "Cooler RGB socket 1200", "price" : 250, "stock" : 90 }
{"_id" : ObjectId("6233f7834372ce2548040977"), "name" : "Placa Wifi USB Tplink T2U", "price" : 200, "stock" : 80 }
```

4. Mostrar la cantidad de documentos almacenados en cada una de ellas.

```

> db.chats.estimatedDocumentCount()
10
> db.products.estimatedDocumentCount()
10
> db.chats.find()
{ "_id" : ObjectId("6233f7db4372ce2548040978"), "message" : "Hola, ¿cómo estás?" }
{ "_id" : ObjectId("6233f7e64372ce2548040979"), "message" : "Muy bien, ¿vos?" }
{ "_id" : ObjectId("6233f8014372ce254804097a"), "message" : "Bien, gracias. Quería hacer una consulta sobre un disco SSD" }
{ "_id" : ObjectId("6233f8174372ce254804097b"), "message" : "Sí, decime la consulta" }
{ "_id" : ObjectId("6233f82f4372ce254804097c"), "message" : "¿Cuál es más rápido? ¿El M2 o el SATA?" }
{ "_id" : ObjectId("6233f8864372ce254804097d"), "message" : "Te recomiendo el disco M2. Tiene una velocidad máxima de 4GB/s contra los 600MB/s del Sata" }
{ "_id" : ObjectId("6233f8964372ce254804097e"), "message" : "¡Muy bien! ¿Qué marcas recomiendas?" }
{ "_id" : ObjectId("6233f8b04372ce254804097f"), "message" : "Claramente, Western Digital" }
{ "_id" : ObjectId("6233f8bc4372ce2548040980"), "message" : "Perfecto, quiero uno de 1TB" }
{ "_id" : ObjectId("6233f8d84372ce2548040981"), "message" : "Bien. Sale 1500 pesos." }
> db.products.find()
{ "_id" : ObjectId("6233f5009b01e19482f9b53d"), "name" : "micro intel i5", "price" : 4500, "stock" : 15 }
{ "_id" : ObjectId("6233f5119b01e19482f9b53e"), "name" : "memoria crucial 32GB RGB", "price" : 1000, "stock" : 50 }
{ "_id" : ObjectId("6233f51e9b01e19482f9b53f"), "name" : "Gabinete Sentey Z20", "price" : 750, "stock" : 30 }
{ "_id" : ObjectId("6233f52b9b01e19482f9b540"), "name" : "disco ssd 1TB WD", "price" : 1500, "stock" : 60 }
{ "_id" : ObjectId("6233f5349b01e19482f9b541"), "name" : "disco rigido 1TB WD", "price" : 500, "stock" : 80 }
{ "_id" : ObjectId("6233f53e9b01e19482f9b542"), "name" : "motherboard asus Z490 TUF Wifi", "price" : 2500, "stock" : 35 }
{ "_id" : ObjectId("6233f5519b01e19482f9b543"), "name" : "monitor Samsung 24 pulgadas curvo", "price" : 1750, "stock" : 25 }
{ "_id" : ObjectId("6233f6fe4372ce2548040975"), "name" : "webcam Logitech 922", "price" : 950, "stock" : 55 }
{ "_id" : ObjectId("6233f71a4372ce2548040976"), "name" : "Cooler RGB socket 1200", "price" : 250, "stock" : 90 }
{ "_id" : ObjectId("6233f7834372ce2548040977"), "name" : "Placa Wifi USB Tplink T2U", "price" : 200, "stock" : 80 }

```

5. Realizar un CRUD sobre la colección de productos:

a. Agregar un producto más en la colección de productos

```

> db.products.insertOne({name:"disco SSD 480GB Kingston",price:650,stock:60})
{
  "acknowledged" : true,
  "insertedId" : ObjectId("6234aca2cbb7e207d7e6c69d")
}
> db.products.find()
{ "_id" : ObjectId("6233f5009b01e19482f9b53d"), "name" : "micro intel i5", "price" : 4500, "stock" : 15 }
{ "_id" : ObjectId("6233f5119b01e19482f9b53e"), "name" : "memoria crucial 32GB RGB", "price" : 1000, "stock" : 50 }
{ "_id" : ObjectId("6233f51e9b01e19482f9b53f"), "name" : "Gabinete Sentey Z20", "price" : 750, "stock" : 30 }
{ "_id" : ObjectId("6233f52b9b01e19482f9b540"), "name" : "disco ssd 1TB WD", "price" : 1500, "stock" : 60 }
{ "_id" : ObjectId("6233f5349b01e19482f9b541"), "name" : "disco rigido 1TB WD", "price" : 500, "stock" : 80 }
{ "_id" : ObjectId("6233f53e9b01e19482f9b542"), "name" : "motherboard asus Z490 TUF Wifi", "price" : 2500, "stock" : 35 }
{ "_id" : ObjectId("6233f5519b01e19482f9b543"), "name" : "monitor Samsung 24 pulgadas curvo", "price" : 1750, "stock" : 25 }
{ "_id" : ObjectId("6233f6fe4372ce2548040975"), "name" : "webcam Logitech 922", "price" : 950, "stock" : 55 }
{ "_id" : ObjectId("6233f71a4372ce2548040976"), "name" : "Cooler RGB socket 1200", "price" : 250, "stock" : 90 }
{ "_id" : ObjectId("6233f7834372ce2548040977"), "name" : "Placa Wifi USB Tplink T2U", "price" : 200, "stock" : 80 }
{ "_id" : ObjectId("6234aca2cbb7e207d7e6c69d"), "name" : "disco SSD 480GB Kingston", "price" : 650, "stock" : 60 }
>

```

B. Realizar una consulta por nombre de producto específico:

i) Listar los productos con precio menor a 1000 pesos.

```

> db.products.find({price:{<1000}})
{ "_id" : ObjectId("6233f51e9b01e19482f9b53f"), "name" : "Gabinete Sentey Z20", "price" : 750, "stock" : 30 }
{ "_id" : ObjectId("6233f5349b01e19482f9b541"), "name" : "disco rigido 1TB WD", "price" : 500, "stock" : 80 }
{ "_id" : ObjectId("6233f6fe4372ce2548040975"), "name" : "webcam Logitech 922", "price" : 950, "stock" : 55 }
{ "_id" : ObjectId("6233f71a4372ce2548040976"), "name" : "Cooler RGB socket 1200", "price" : 250, "stock" : 90 }
{ "_id" : ObjectId("6233f7834372ce2548040977"), "name" : "Placa Wifi USB Tplink T2U", "price" : 200, "stock" : 80 }
{ "_id" : ObjectId("6234aca2cbb7e207d7e6c69d"), "name" : "disco SSD 480GB Kingston", "price" : 650, "stock" : 60 }
>

```

ii) Listar los productos con precio entre los 1000 a 3000 pesos.

```
> db.products.find({ price : { $gt:1000, $lt:3000}})
{ "_id" : ObjectId("6233f52b9b01e19482f9b540"), "name" : "disco ssd 1TB WD", "price" : 1500, "stock" : 60 }
{ "_id" : ObjectId("6233f53e9b01e19482f9b542"), "name" : "motherboard asus Z490 TUF Wifi", "price" : 2500, "stock" : 35 }
{ "_id" : ObjectId("6233f5519b01e19482f9b543"), "name" : "monitor Samsung 24 pulgadas curvo", "price" : 1750, "stock" : 25 }
>
```

iii) Listar los productos con precio mayor a 3000 pesos.

```
> db.products.find({price:{$gt:3000}})
{ "_id" : ObjectId("6233f5009b01e19482f9b53d"), "name" : "micro intel i5", "price" : 4500, "stock" : 15 }
>
```

iv) Listar los productos con precio mayor a 3000 pesos.

```
> db.products.find().sort({price:-1}).limit(1).skip(2)
{ "_id" : ObjectId("6233f5519b01e19482f9b543"), "name" : "monitor Samsung 24 pulgadas curvo", "price" : 1750, "stock" : 25 }
> db.products.find()
{ "_id" : ObjectId("6233f5009b01e19482f9b53d"), "name" : "micro intel i5", "price" : 4500, "stock" : 15 }
{ "_id" : ObjectId("6233f5119b01e19482f9b53e"), "name" : "memoria crucial 32GB RGB", "price" : 1000, "stock" : 50 }
{ "_id" : ObjectId("6233f51e9b01e19482f9b53f"), "name" : "Gabinete Sentey Z20", "price" : 750, "stock" : 30 }
{ "_id" : ObjectId("6233f52b9b01e19482f9b540"), "name" : "disco ssd 1TB WD", "price" : 1500, "stock" : 60 }
{ "_id" : ObjectId("6233f5349b01e19482f9b541"), "name" : "disco rigido 1TB WD", "price" : 500, "stock" : 80 }
{ "_id" : ObjectId("6233f53e9b01e19482f9b542"), "name" : "motherboard asus Z490 TUF Wifi", "price" : 2500, "stock" : 35 }
{ "_id" : ObjectId("6233f5519b01e19482f9b543"), "name" : "monitor Samsung 24 pulgadas curvo", "price" : 1750, "stock" : 25 }
{ "_id" : ObjectId("6233f6fe4372ce2548040975"), "name" : "webcam Logitech 922", "price" : 950, "stock" : 55 }
{ "_id" : ObjectId("6233f71a4372ce2548040976"), "name" : "Cooler RGB socket 1200", "price" : 250, "stock" : 90 }
{ "_id" : ObjectId("6233f7834372ce2548040977"), "name" : "Placa Wifi USB Tplink T2U", "price" : 200, "stock" : 80 }
{ "_id" : ObjectId("6234aca2cbb7e207d7e6c69d"), "name" : "disco SSD 480GB Kingston", "price" : 650, "stock" : 60 }
```

c) Hacer una actualización sobre todos los productos, agregando el campo stock a todos ellos con un valor de 100.

```
> db.products.updateMany({},{$set:{stock:100}})
{ "acknowledged" : true, "matchedCount" : 11, "modifiedCount" : 10 }
> db.products.find()
{ "_id" : ObjectId("6233f5009b01e19482f9b53d"), "name" : "micro intel i5", "price" : 4500, "stock" : 100 }
{ "_id" : ObjectId("6233f5119b01e19482f9b53e"), "name" : "memoria crucial 32GB RGB", "price" : 1000, "stock" : 100 }
{ "_id" : ObjectId("6233f51e9b01e19482f9b53f"), "name" : "Gabinete Sentey Z20", "price" : 750, "stock" : 100 }
{ "_id" : ObjectId("6233f52b9b01e19482f9b540"), "name" : "disco ssd 1TB WD", "price" : 1500, "stock" : 100 }
{ "_id" : ObjectId("6233f5349b01e19482f9b541"), "name" : "disco rigido 1TB WD", "price" : 500, "stock" : 100 }
{ "_id" : ObjectId("6233f53e9b01e19482f9b542"), "name" : "motherboard asus Z490 TUF Wifi", "price" : 2500, "stock" : 100 }
{ "_id" : ObjectId("6233f5519b01e19482f9b543"), "name" : "monitor Samsung 24 pulgadas curvo", "price" : 1750, "stock" : 100 }
{ "_id" : ObjectId("6233f6fe4372ce2548040975"), "name" : "webcam Logitech 922", "price" : 950, "stock" : 100 }
{ "_id" : ObjectId("6233f71a4372ce2548040976"), "name" : "Cooler RGB socket 1200", "price" : 250, "stock" : 100 }
{ "_id" : ObjectId("6233f7834372ce2548040977"), "name" : "Placa Wifi USB Tplink T2U", "price" : 200, "stock" : 100 }
{ "_id" : ObjectId("6234aca2cbb7e207d7e6c69d"), "name" : "disco SSD 480GB Kingston", "price" : 650, "stock" : 100 }
>
```

d) Cambiar el stock a cero de los productos con precios mayores a 4000 pesos.

```
> db.products.updateMany({price:{$gt:4000}},{$set:{stock:0}})
{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }
> db.products.find()
{ "_id" : ObjectId("6233f5009b01e19482f9b53d"), "name" : "micro intel i5", "price" : 4500, "stock" : 0 }
{ "_id" : ObjectId("6233f5119b01e19482f9b53e"), "name" : "memoria crucial 32GB RGB", "price" : 1000, "stock" : 100 }
{ "_id" : ObjectId("6233f51e9b01e19482f9b53f"), "name" : "Gabinete Sentey Z20", "price" : 750, "stock" : 100 }
{ "_id" : ObjectId("6233f52b9b01e19482f9b540"), "name" : "disco ssd 1TB WD", "price" : 1500, "stock" : 100 }
{ "_id" : ObjectId("6233f5349b01e19482f9b541"), "name" : "disco rigido 1TB WD", "price" : 500, "stock" : 100 }
{ "_id" : ObjectId("6233f53e9b01e19482f9b542"), "name" : "motherboard asus Z490 TUF Wifi", "price" : 2500, "stock" : 100 }
{ "_id" : ObjectId("6233f5519b01e19482f9b543"), "name" : "monitor Samsung 24 pulgadas curvo", "price" : 1750, "stock" : 100 }
{ "_id" : ObjectId("6233f6fe4372ce2548040975"), "name" : "webcam Logitech 922", "price" : 950, "stock" : 100 }
{ "_id" : ObjectId("6233f71a4372ce2548040976"), "name" : "Cooler RGB socket 1200", "price" : 250, "stock" : 100 }
{ "_id" : ObjectId("6233f7834372ce2548040977"), "name" : "Placa Wifi USB Tplink T2U", "price" : 200, "stock" : 100 }
{ "_id" : ObjectId("6234aca2cbb7e207d7e6c69d"), "name" : "disco SSD 480GB Kingston", "price" : 650, "stock" : 100 }
>
```

e) Borrar los productos con precio menor a 1000 pesos

```
> db.products.find()
{ "_id" : ObjectId("6233f5009b01e19482f9b53d"), "name" : "micro intel i5", "price" : 4500, "stock" : 0 }
{ "_id" : ObjectId("6233f5119b01e19482f9b53e"), "name" : "memoria crucial 32GB RGB", "price" : 1000, "stock" : 100 }
{ "_id" : ObjectId("6233f51e9b01e19482f9b53f"), "name" : "Gabinete Sentey Z20", "price" : 750, "stock" : 100 }
{ "_id" : ObjectId("6233f52b9b01e19482f9b540"), "name" : "disco ssd 1TB WD", "price" : 1500, "stock" : 100 }
{ "_id" : ObjectId("6233f5349b01e19482f9b541"), "name" : "disco rigido 1TB WD", "price" : 500, "stock" : 100 }
{ "_id" : ObjectId("6233f53e9b01e19482f9b542"), "name" : "motherboard asus Z490 TUF Wifi", "price" : 2500, "stock" : 100 }
{ "_id" : ObjectId("6233f5519b01e19482f9b543"), "name" : "monitor Samsung 24 pulgadas curvo", "price" : 1750, "stock" : 100 }
{ "_id" : ObjectId("6233f6fe4372ce2548040975"), "name" : "webcam Logitech 922", "price" : 950, "stock" : 100 }
{ "_id" : ObjectId("6233f71a4372ce2548040976"), "name" : "Cooler RGB socket 1200", "price" : 250, "stock" : 100 }
{ "_id" : ObjectId("6233f7834372ce2548040977"), "name" : "Placa Wifi USB Tplink T2U", "price" : 200, "stock" : 100 }
{ "_id" : ObjectId("6234aca2cbb7e207d7e6c69d"), "name" : "disco SSD 480GB Kingston", "price" : 650, "stock" : 100 }
> db.products.deleteMany({price:{$lt:1000}})
{ "acknowledged" : true, "deletedCount" : 6 }
> db.products.find()
{ "_id" : ObjectId("6233f5009b01e19482f9b53d"), "name" : "micro intel i5", "price" : 4500, "stock" : 0 }
{ "_id" : ObjectId("6233f5119b01e19482f9b53e"), "name" : "memoria crucial 32GB RGB", "price" : 1000, "stock" : 100 }
{ "_id" : ObjectId("6233f52b9b01e19482f9b540"), "name" : "disco ssd 1TB WD", "price" : 1500, "stock" : 100 }
{ "_id" : ObjectId("6233f53e9b01e19482f9b542"), "name" : "motherboard asus Z490 TUF Wifi", "price" : 2500, "stock" : 100 }
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