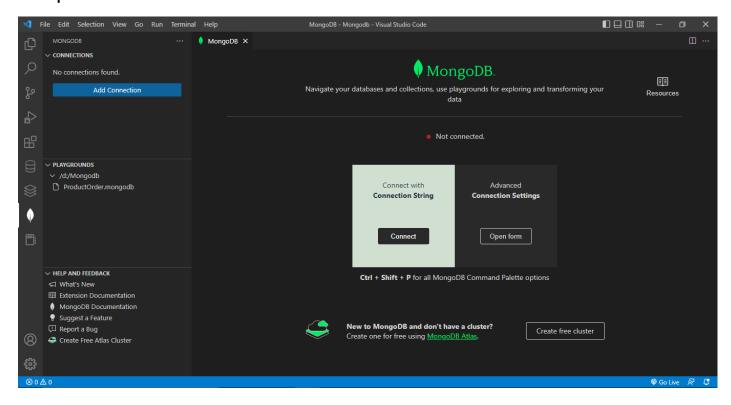
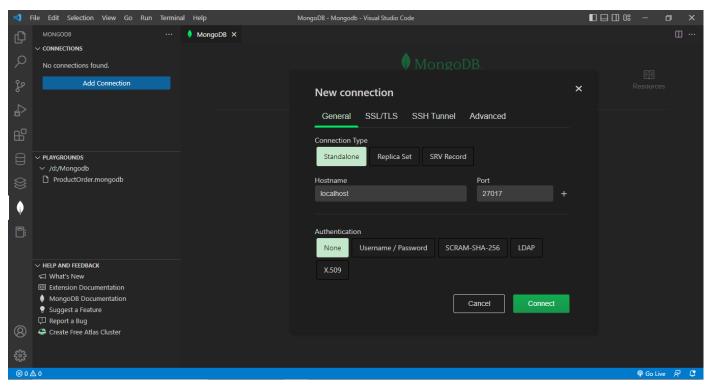
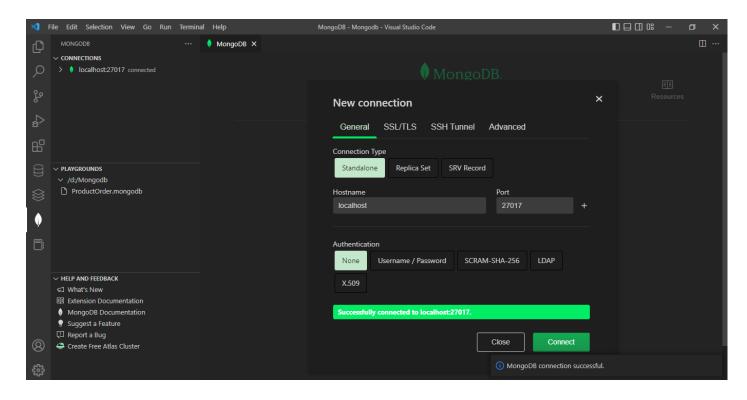
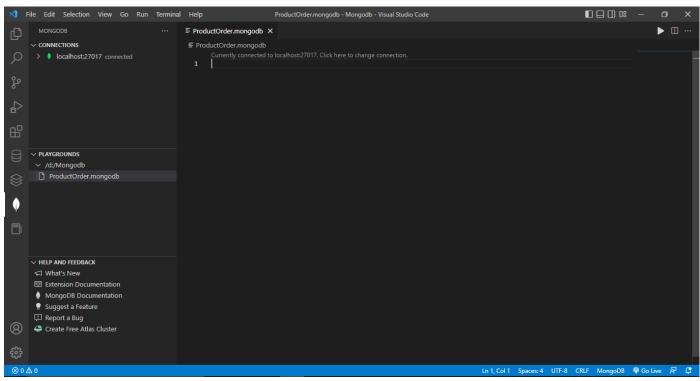
Analyzing shipment data of an ecommerce firm using MONGODB

1. Open VS Code and connect to MONGODB

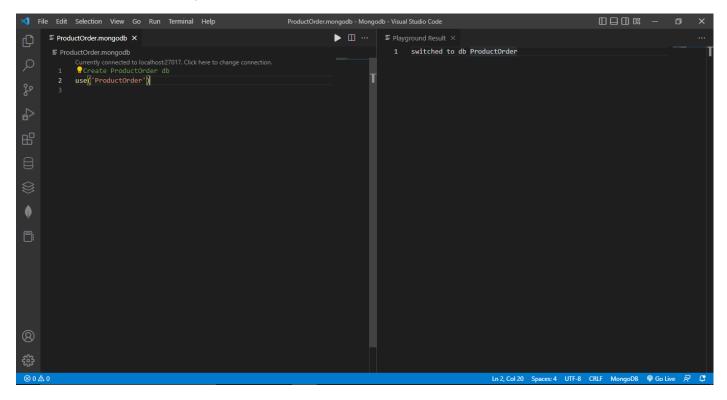


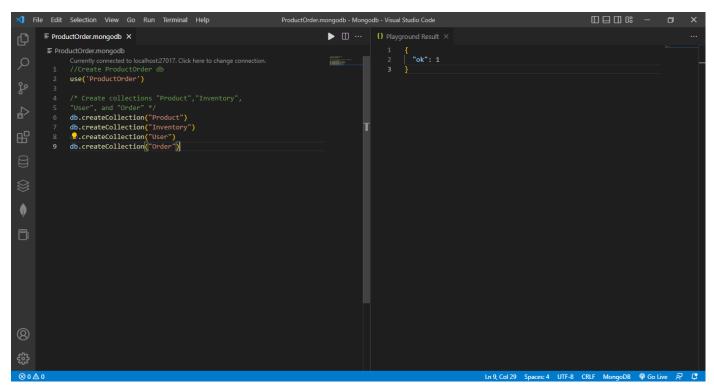






2. Create a database "ProductOrder" and create collections "Product", "Inventory", "User", and "Order" in it.

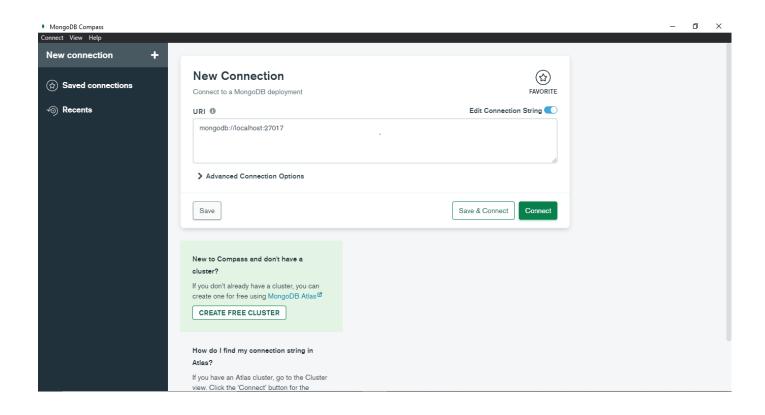


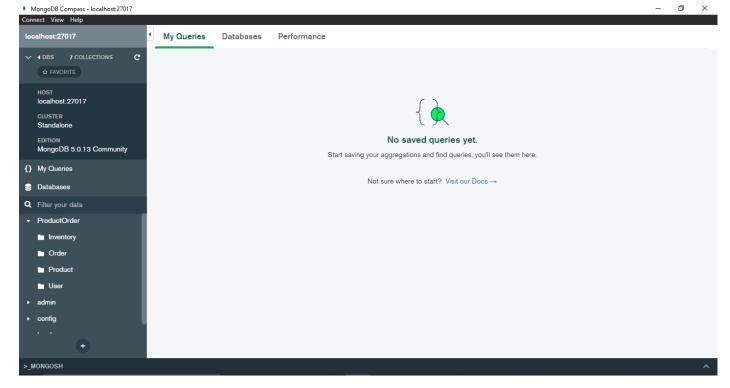


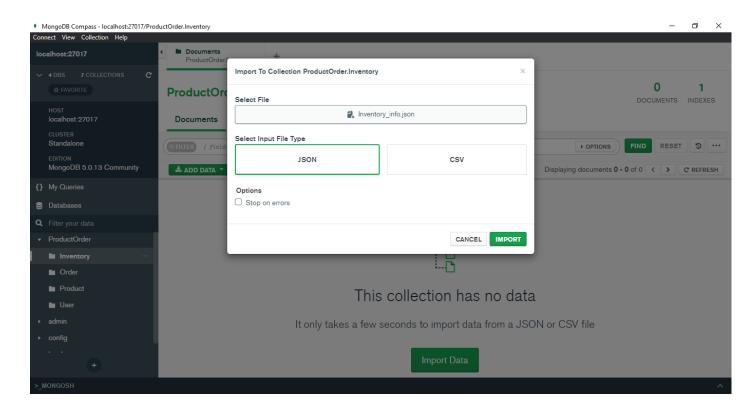
Open MongoDBCompass and navigate to the "ProductOrder" database.

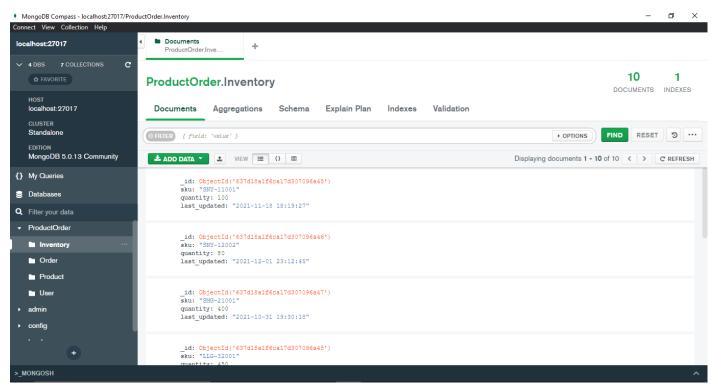
- i) Add "Product_info.json" file into the "Product" collection.
- ii) Add "Inventory_info.json" file into "Inventory" collection.
- iii) Add "User_info.json" file into the "User" collection.
- iv) Add "Order_info.json" file into "Order" collection.

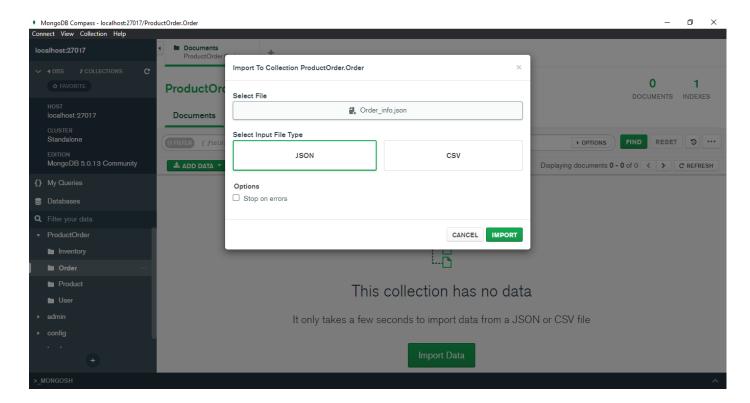
Note: These JSON files have restricted access. Hence, not uploaded to the repository.

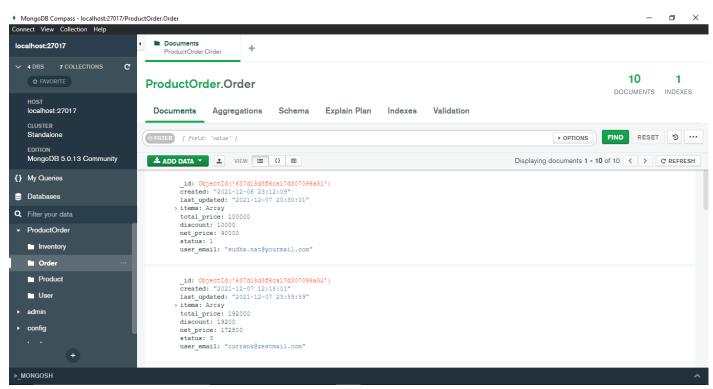


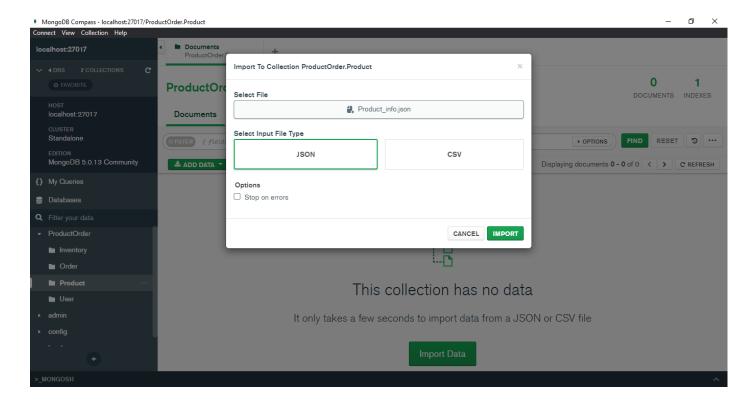


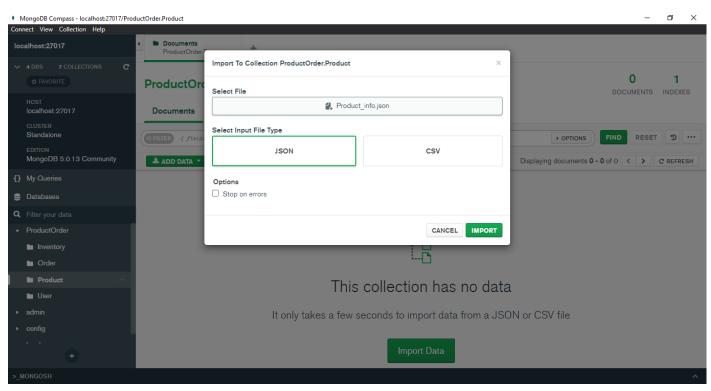


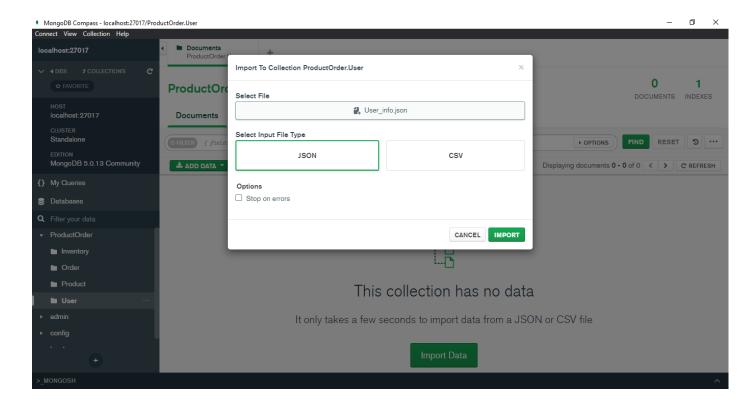


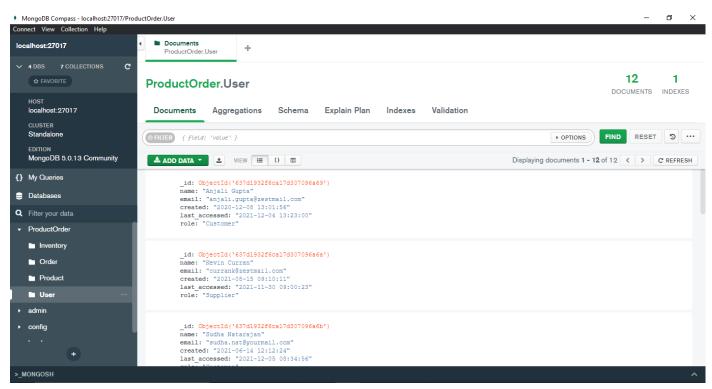




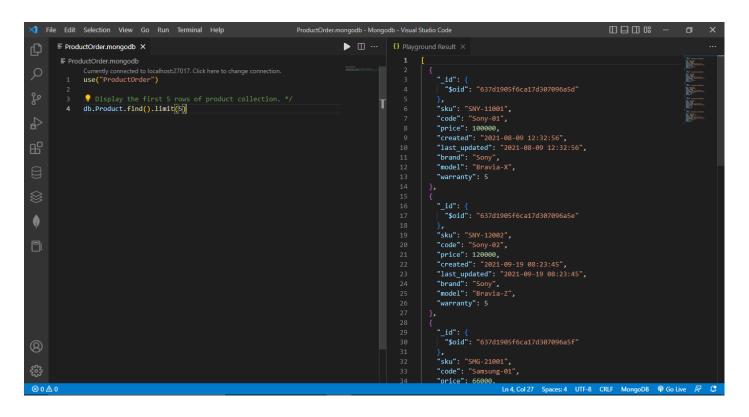


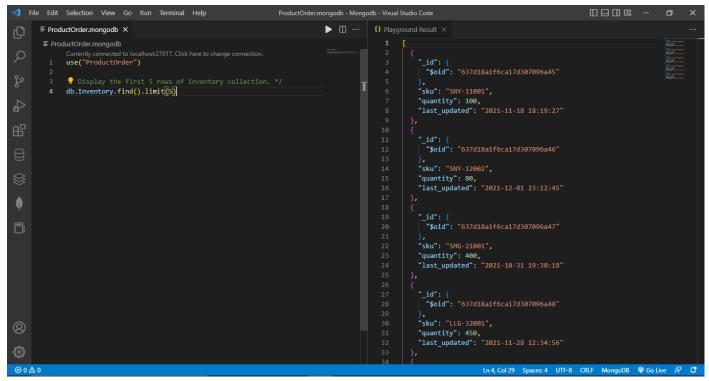


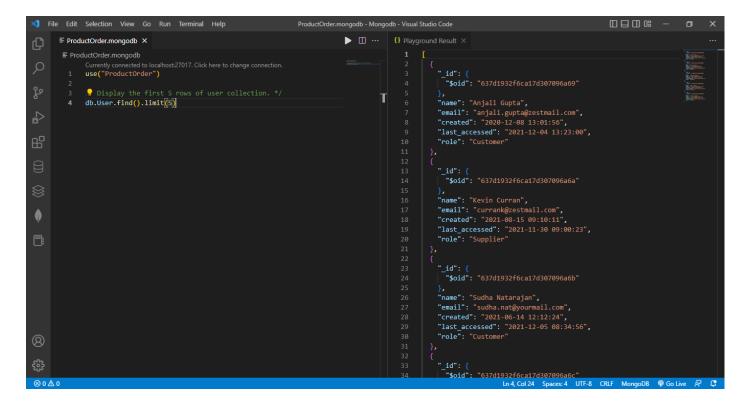


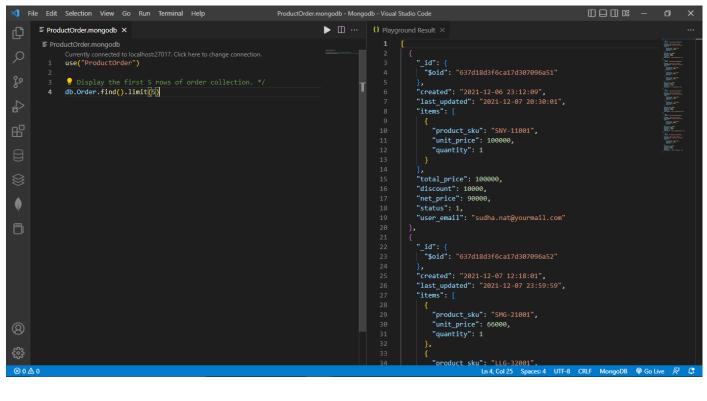


4. Display the first 5 rows of product, inventory, user, and order collection

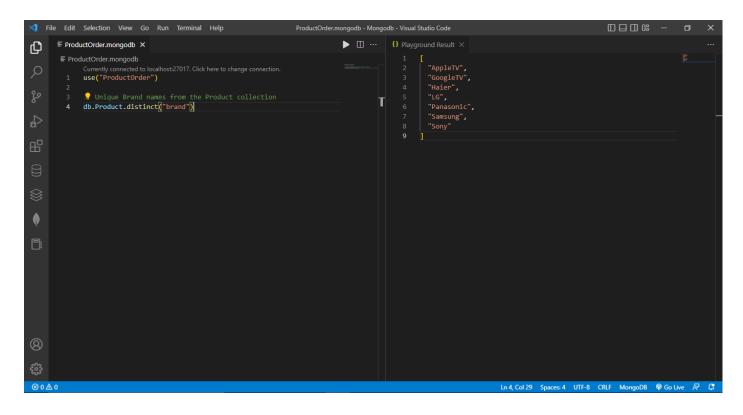


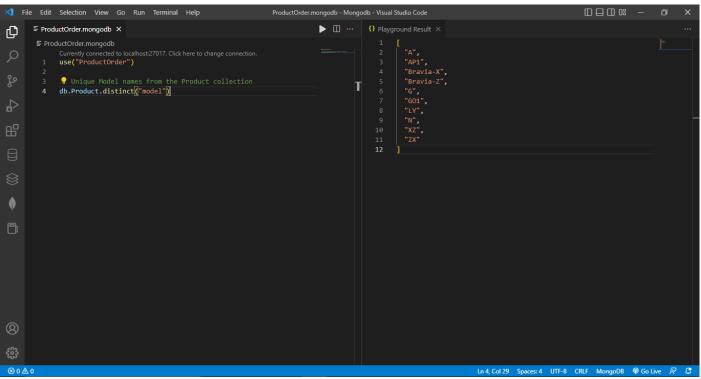




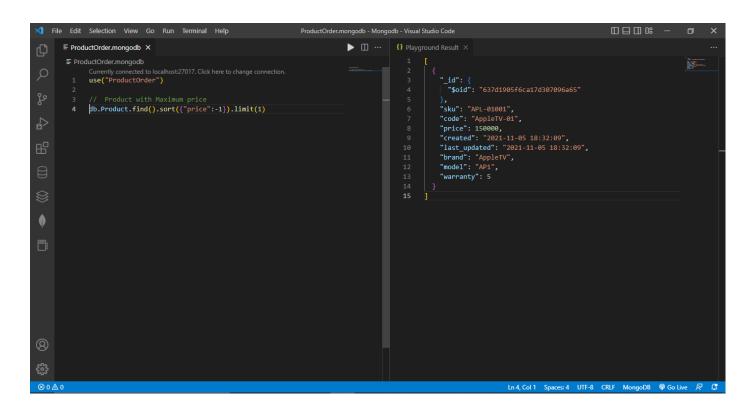


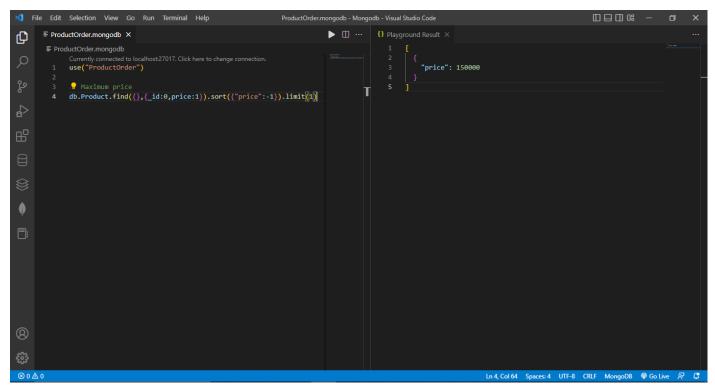
5. Display the Unique Brand and Model names from the Product collection

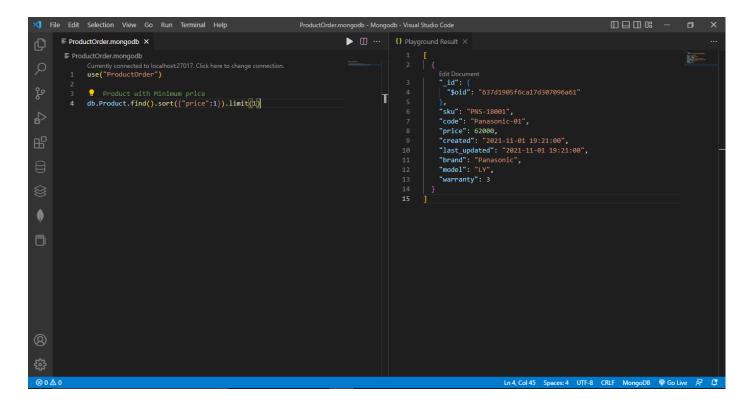


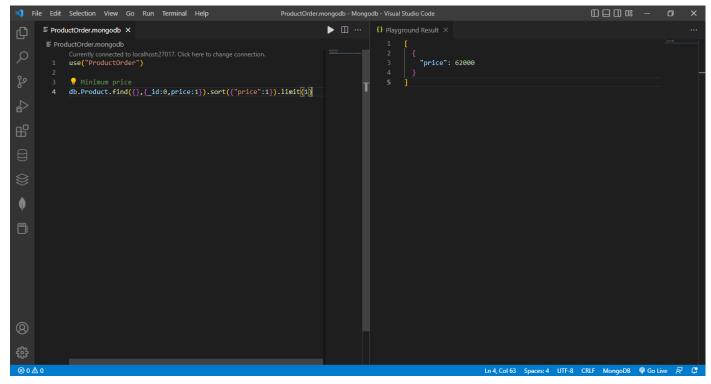


6. Find the maximum and minimum price of the given products.



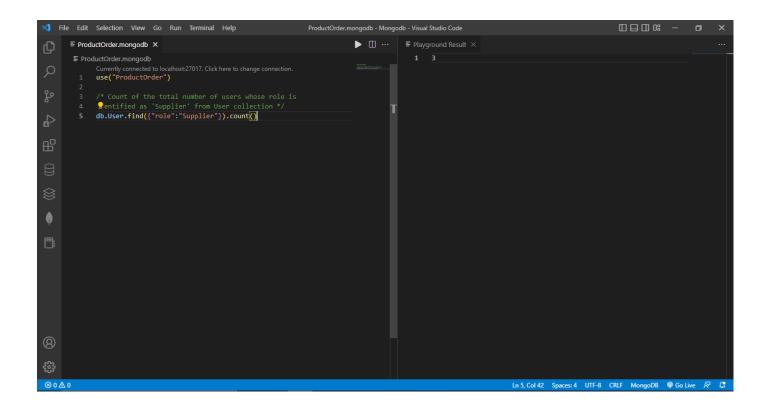






7. Display the quantity and last_updated date and time for sku "SNY-11001"

8. List down the count of the total number of users whose role is identified as 'Supplier' from User collection



9. Display 'sku', 'code', 'price', 'brand' and 'warranty' information for the model 'Bravia-X'

10. Find all the information of Sony products which have an Price greater than 1 lakh

11. Find the total no of products by each Brand and sort them in descending order.

```
▶ □ ···
        ■ ProductOrder.mongodb ×

■ ProductOrder.mongodb

                                                                                                                                              "products": 2,
                                                                                                                                               "products": 2,
"brand": "Samsung"
                  db.Product.aggregate([
                 { $group: {
    _id: "$brand",
    products: { $sum: 1 },
                                                                                                                                              "products": 2,
"brand": "LG"
                 { $project: {
    brand: "$_id",
    products: 1,
                                                                                                                                              "products": 1,
                _id: 0
•
                                                                                                                                              "products": 1,
"brand": "Haier"
"products": 1,
"brand": "GoogleTV"
                                                                                                                                               "products": 1,
                                                                                                                                                                    Ln 11, Col 27 Spaces: 4 UTF-8 CRLF MongoDB @ Go Live 🔊 🚨
```

12. Find the total no of users by each role, sort them is descending order and save the results in the temporary collection

