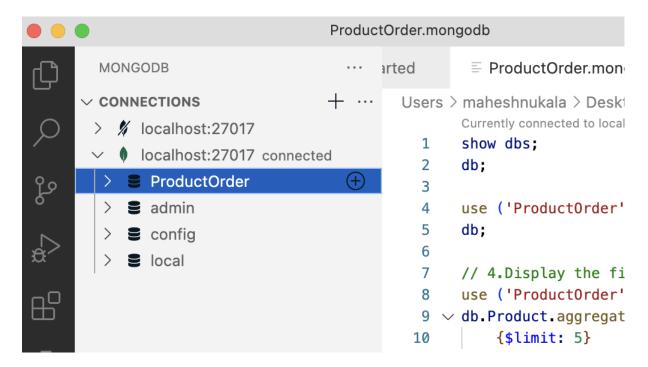
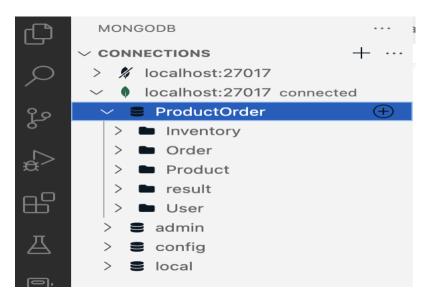
1. Open VS Code and connect to MONGODB

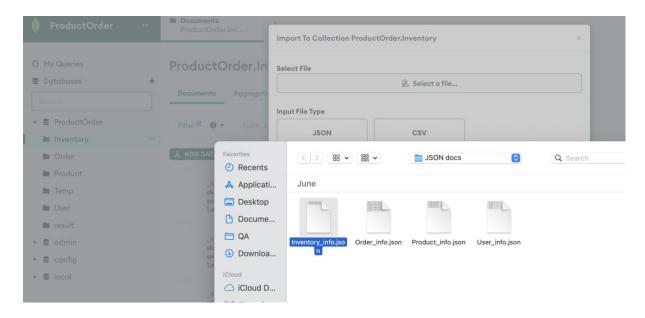


2. Create a database "ProductOrder" and create collections "Product", "Inventory", "User", and "Order" in it.





- 3. 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.



Same as above pic added all the files into the collections

Inventory data added:

ProductOrder.Inventory

Documents		Aggregations	Schema	Explain Plan	Indexes	Validati	
Filter 🗗	Filter ♥ ▼ Type a query: { field: 'value' }						
≜ ADD I	DATA ·	EXPORT CO	OLLECTION				
		ity: 100 updated: "2021-1	1-18 18:19:	27"			
	sku: quant	ObjectId('6386f6 "SNY-12002" :ity: 80 .updated: "2021-1					
•	sku: quant	ObjectId('6386f6 "SMG-21001" :ity: 400 updated: "2021-1					
	sku: quant	ObjectId('6386f6 "LLG-32001" :ity: 450 updated: "2021-1					
	sku: quant	ObjectId('6386f6 "PNS-18001" :ity: 500 updated: "2021-1					
	_id:	ObjectId('6386f6	d87c17a8c4b	99d4312')			

Product data added

ProductOrder.Product

Documents	Aggregations	Schema	Explain Plan	Ind						
Filter 🗗 🕔	▼ Type a quer	y: { field	d: 'value' }							
♣ ADD DATA ▼										
sku coc pri cre las bra moc	d: ObjectId('6386f6 u: "SNY-11001" de: "Sony-01" ice: 100000 sated: "2021-08-09 st_updated: "2021-0 and: "Sony" del: "Bravia-X" rranty: 5	12:32:56"								
skı coc pri	d: ObjectId('6386f6 a: "SNY-12002" de: "Sony-02" ice: 120000 eated: "2021-09-19	6:	o99d4303') 386f6bd7c17a8c4b99	d4303						

Order data added

ProductOrder.Order

Filter Type a query: { field: 'value' }

LADD DATA FEXPORT COLLECTION

Lid: ObjectId('6386f6e27c17a8c4b99d4318')
created: "2021-12-06 23:12:09"
last_updated: "2021-12-07 20:30:01"

last_updated: "2021-12-07 20:30:01"

last_price: 10000
discount: 10000
net_price: 90000
status: 1
user_email: "sudha.nat@yourmail.com"

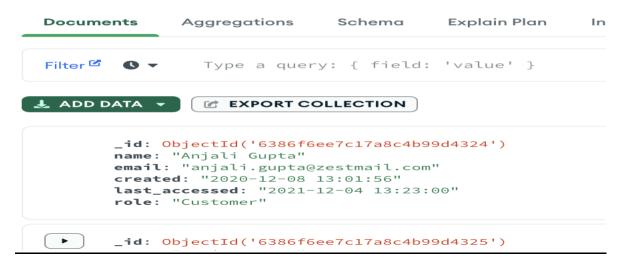
Lid: ObjectId('6386f6e27c17a8c4b99d4319')
created: "2021-12-07 12:18:01"
last_updated: "2021-12-07 23:59:59"

litems: Array
total price: 192000

User data added

ProductOrder.User

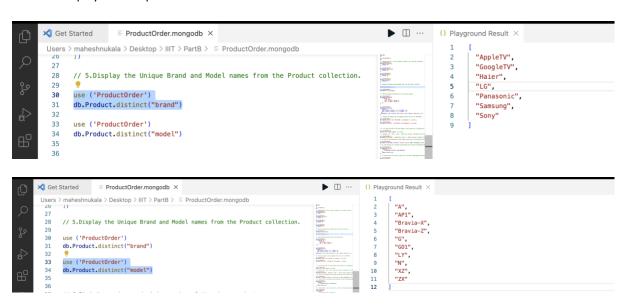
ProductOrder.User



-

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".

```
Users > maheshnukala > Desktop > IIIT > PartB > □ ProductOrder.mongodb

| Second |
```

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.

```
▶ □ …
Get Started FroductOrder.mongodb X
Users > maheshnukala > Desktop > IIIT > PartB > ≡ ProductOrder.mongodb
                                                                                                                               },
"count": 2
     {_id:{brand:"$brand:"}},
{$sort:{"count":-1}}
                                                                                                                               },
"count": 2
     // 12. Find the total no of users by each role, sort them is descending order and save the results in
     },
"count": 2
         },
{$sort:{"count":-1}},
{ $out : "result"}
                                                                                                                                "_id": {
    "brand": "AppleTV"
     •
1)
                                                                                                                                count": 1
                                                                                                                               },
"count": 1
                                                                                                                               "_id": {
    "brand": "Panasonic"
```

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

