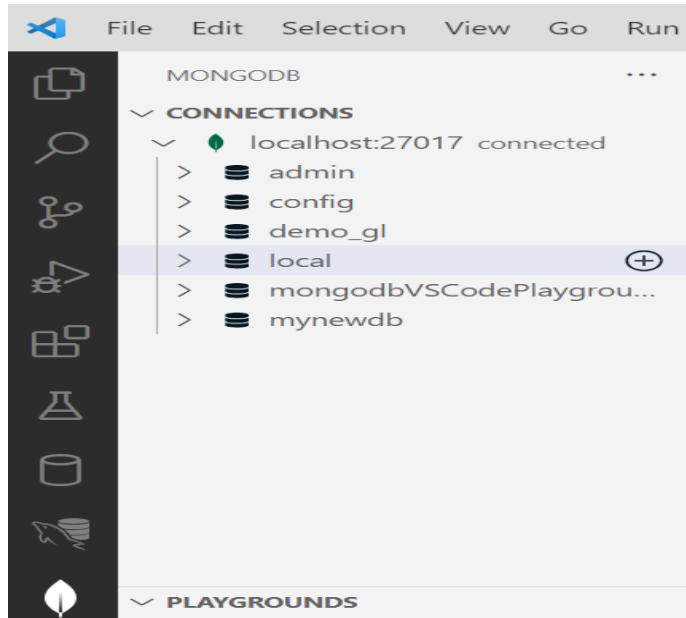
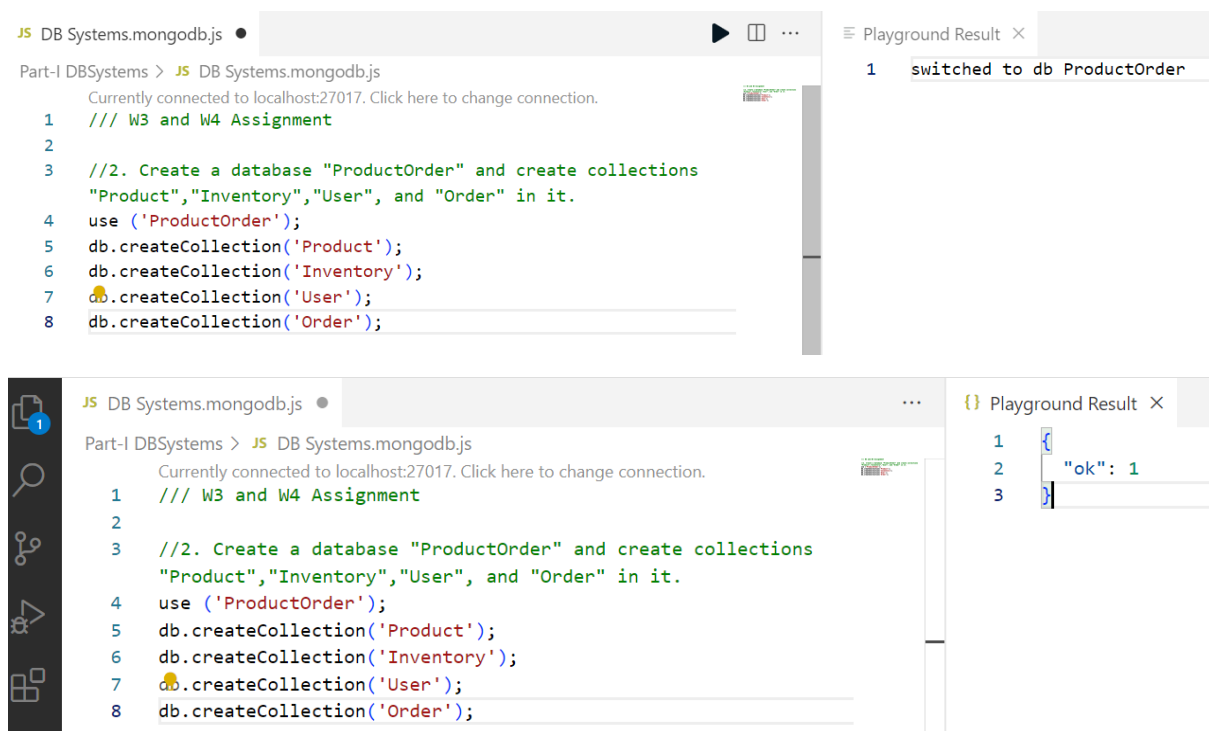


Screenshots of Outputs of the Queries

1. Open VS Code and connect to MONGODB.

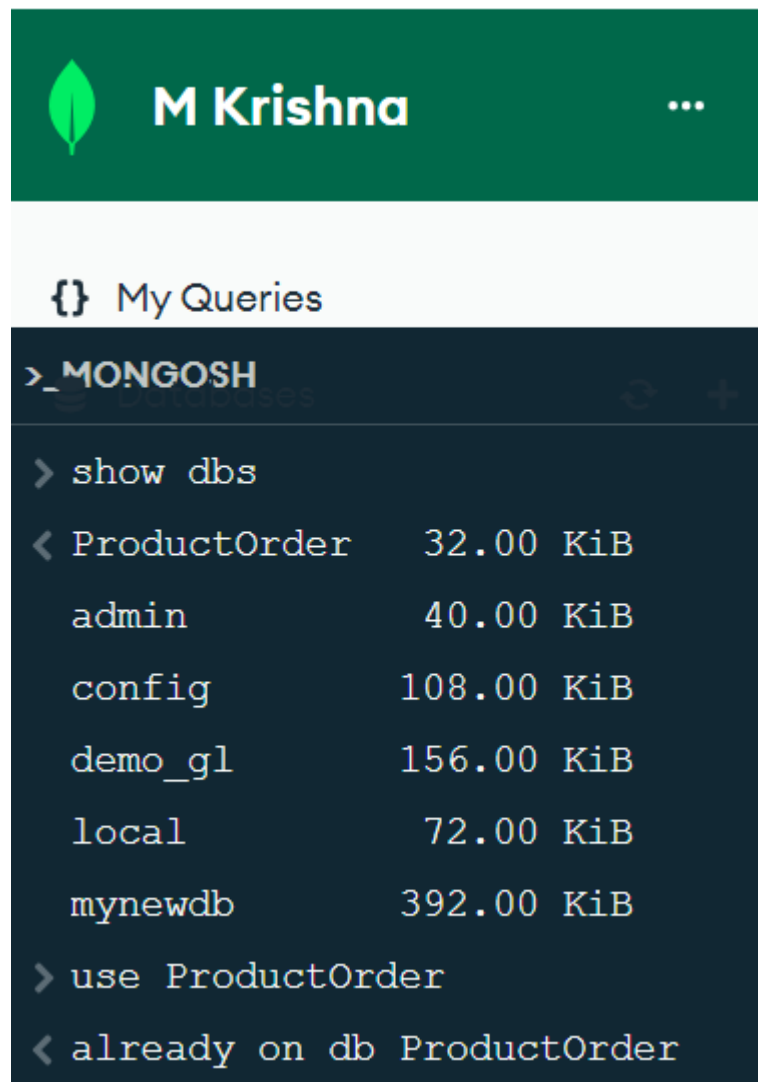


2. Create a database "ProductOrder" and create collections "Product", "Inventory", "User", and "Order" in it.



3. Open MongoDBCompass and navigate to the "ProductOrder" database and add json files data into the respective collections.

Connect Edit View Collection Help



```

> _MONGOSH
> db.getCollection('Product').insertMany([
  {"sku": "SNY-11001", "code": "Sony-01", "price": 100000, "created": "2021-08-09 12:32:56", "last_updated": "2021-08-09 12:32:56", "brand": "Sony", "mod
  {"sku": "SNY-12002", "code": "Sony-02", "price": 120000, "created": "2021-09-19 08:23:45", "last_updated": "2021-09-19 08:23:45", "brand": "Sony", "mod
  {"sku": "SMG-21001", "code": "Samsung-01", "price": 66000, "created": "2021-07-13 16:46:32", "last_updated": "2021-07-13 16:46:32", "brand": "Samsung",
  {"sku": "LLG-32001", "code": "LG-01", "price": 64000, "created": "2021-10-28 18:34:21", "last_updated": "2021-10-28 18:34:21", "brand": "LG", "model":
  {"sku": "PNS-18001", "code": "Panasonic-01", "price": 62000, "created": "2021-11-01 19:21:00", "last_updated": "2021-11-01 19:21:00", "brand": "Panason
  {"sku": "SMG-22002", "code": "Samsung-02", "price": 79000, "created": "2021-10-13 23:01:24", "last_updated": "2021-10-13 23:01:24", "brand": "Samsung",
  {"sku": "LLG-33002", "code": "LG-02", "price": 80000, "created": "2021-11-03 22:00:15", "last_updated": "2021-11-03 22:00:15", "brand": "LG", "model":
  {"sku": "HER-13001", "code": "Haier-01", "price": 75000, "created": "2021-11-20 16:17:18", "last_updated": "2021-11-20 16:17:18", "brand": "Haier", "mc
  {"sku": "APL-01001", "code": "AppleTV-01", "price": 150000, "created": "2021-11-05 18:32:09", "last_updated": "2021-11-05 18:32:09", "brand": "AppleTV",
  {"sku": "GGL-10001", "code": "GoogleTV-01", "price": 120000, "created": "2021-10-01 20:00:54", "last_updated": "2021-10-01 20:00:54", "brand": "GoogleT
  ])
< {
  acknowledged: true,
  insertedIds: [
    '0': ObjectId("654528fcd277f905c1dae3c3"),
    '1': ObjectId("654528fcd277f905c1dae3c4"),
    '2': ObjectId("654528fcd277f905c1dae3c5"),
    '3': ObjectId("654528fcd277f905c1dae3c6"),
    '4': ObjectId("654528fcd277f905c1dae3c7"),
  ]
}

```

```

> _MONGOSH
> db.getCollection('Inventory').insertMany([
  {"sku": "SNY-11001", "quantity": 100, "last_updated": "2021-11-18 18:19:27"},
  {"sku": "SNY-12002", "quantity": 80, "last_updated": "2021-12-01 23:12:45"},
  {"sku": "SMG-21001", "quantity": 400, "last_updated": "2021-10-31 19:30:18"},
  {"sku": "LLG-32001", "quantity": 450, "last_updated": "2021-11-28 12:34:56"},
  {"sku": "PNS-18001", "quantity": 500, "last_updated": "2021-12-01 11:34:21"},
  {"sku": "SMG-22002", "quantity": 200, "last_updated": "2021-11-09 00:01:23"},
  {"sku": "LLG-33002", "quantity": 180, "last_updated": "2021-10-13 09:10:12"},
  {"sku": "HER-13001", "quantity": 220, "last_updated": "2021-11-02 08:34:48"},
  {"sku": "APL-01001", "quantity": 60, "last_updated": "2021-10-12 16:34:23"},
  {"sku": "GGL-10001", "quantity": 100, "last_updated": "2021-11-23 14:49:56"}
  ])
< {
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("65452972d277f905c1dae3cd"),
    '1': ObjectId("65452972d277f905c1dae3ce"),
    '2': ObjectId("65452972d277f905c1dae3cf"),
    '3': ObjectId("65452972d277f905c1dae3d0"),
    '4': ObjectId("65452972d277f905c1dae3d1"),
  ]
}

```

```

> db.getCollection('User').insertMany([
  {"name": "Anjali Gupta", "email": "anjali.gupta@zestmail.com", "created": "2020-12-08 13:01:56", "last_accessed": "2021-12-04 13:23:00", "role": "Custo"},
  {"name": "Kevin Curran", "email": "currank@zestmail.com", "created": "2021-08-15 09:10:11", "last_accessed": "2021-11-30 09:00:23", "role": "Supplier"},
  {"name": "Sudha Natarajan", "email": "sudha.nat@yourmail.com", "created": "2021-06-14 12:12:24", "last_accessed": "2021-12-05 08:34:56", "role": "Custo"},
  {"name": "Nabil Jamal", "email": "nabil.jamal@thatmail.com", "created": "2020-11-16 08:30:45", "last_accessed": "2021-11-29 10:13:09", "role": "Custome"},
  {"name": "Clara Kingston", "email": "clara.king@evermail.com", "created": "2021-08-09 23:12:00", "last_accessed": "2021-12-02 11:45:02", "role": "Custo"},
  {"name": "Aditya Tare", "email": "aditya.tare@thismail.com", "created": "2020-10-03 13:45:22", "last_accessed": "2021-12-01 15:23:32", "role": "Custome"},
  {"name": "Zareen Ahmed", "email": "zareen@mymail.com", "created": "2020-01-01 07:32:46", "last_accessed": "2021-11-28 19:37:34", "role": "Supplier"},
  {"name": "Vidyut Shetty", "email": "vidyut@thatmail.com", "created": "2021-09-12 16:04:35", "last_accessed": "2021-11-30 23:34:45", "role": "Customer"},
  {"name": "Tom Alter", "email": "altertom@thismail.com", "created": "2020-12-31 15:45:32", "last_accessed": "2021-12-02 12:01:56", "role": "Customer"},
  {"name": "Nisha Arora", "email": "nisha.arora@evermail.com", "created": "2020-02-28 12:00:00", "last_accessed": "2021-12-01 14:23:34", "role": "Supplie"},
  {"name": "Albert Zohan", "email": "albertz@yourmail.com", "created": "2021-6-21 03:40:01", "last_accessed": "2021-11-29 05:56:23", "role": "Customer"},
  {"name": "Richa Pillai", "email": "richap@mymail.com", "created": "2020-12-21 18:01:23", "last_accessed": "2021-12-04 08:33:00", "role": "Customer"}
])
< {
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("654529fed277f905c1dae3d7"),
    '1': ObjectId("654529fed277f905c1dae3d8"),
    '2': ObjectId("654529fed277f905c1dae3d9")
  }
}

```

```

> db.getCollection('Order').insertMany([
  {"created": "2021-12-06 23:12:09", "last_updated": "2021-12-07 20:30:01", "items": [{"product_sku": "SNY-11001", "unit_price": 100000, "quantity": 1}], "tc"},
  {"created": "2021-12-07 12:18:01", "last_updated": "2021-12-07 23:59:59", "items": [{"product_sku": "SMG-21001", "unit_price": 66000, "quantity": 1}], {"prc"},
  {"created": "2021-12-08 08:36:45", "last_updated": "2021-12-08 09:00:55", "items": [{"product_sku": "SNY-12002", "unit_price": 120000, "quantity": 1}], {"pr"},
  {"created": "2021-12-08 02:18:46", "last_updated": "2021-12-08 02:20:24", "items": [{"product_sku": "SNY-12002", "unit_price": 120000, "quantity": 1}], "tc"},
  {"created": "2021-12-07 22:56:23", "last_updated": "2021-12-07 23:00:00", "items": [{"product_sku": "SMG-21001", "unit_price": 66000, "quantity": 1}], "tot"},
  {"created": "2021-12-07 14:24:37", "last_updated": "2021-12-07 18:34:26", "items": [{"product_sku": "SNY-11001", "unit_price": 100000, "quantity": 1}], {"pr"},
  {"created": "2021-12-07 05:12:46", "last_updated": "2021-12-07 05:15:32", "items": [{"product_sku": "PNS-18001", "unit_price": 62000, "quantity": 1}], "tot"},
  {"created": "2021-12-07 23:08:14", "last_updated": "2021-12-08 08:48:34", "items": [{"product_sku": "SMG-21001", "unit_price": 66000, "quantity": 1}], {"prc"},
  {"created": "2021-12-08 05:43:13", "last_updated": "2021-12-08 05:45:54", "items": [{"product_sku": "APL-01001", "unit_price": 150000, "quantity": 1}], "tc"},
  {"created": "2021-12-06 23:47:18", "last_updated": "2021-12-07 12:33:24", "items": [{"product_sku": "LLG-33002", "unit_price": 80000, "quantity": 1}], "tot"}
])
< {
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("65452a39d277f905c1dae3e3"),
    '1': ObjectId("65452a39d277f905c1dae3e4"),
    '2': ObjectId("65452a39d277f905c1dae3e5"),
    '3': ObjectId("65452a39d277f905c1dae3e6"),
    '4': ObjectId("65452a39d277f905c1dae3e7")
  }
}

```

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

```
JS playground-1.mongodb.js ● {} 4.1.txt X
Part-I DBSystems > {} 4.1.txt > ...
1  [
2    {
3      "_id": {
4        "$oid": "654528fcd277f905c1dae3c3"
5      },
6      "sku": "SNY-11001",
7      "code": "Sony-01",
8      "price": 100000,
9      "created": "2021-08-09 12:32:56",
10     "last_updated": "2021-08-09 12:32:56",
11     "brand": "Sony",
12     "model": "Bravia-X",
13     "warranty": 5
14   },
15   {
16     "_id": {
17       "$oid": "654528fcd277f905c1dae3c4"
18     },
19     "sku": "SNY-12002",
20     "code": "Sony-02",
21     "price": 120000,
22     "created": "2021-09-19 08:23:45",
23     "last_updated": "2021-09-19 08:23:45",
24     "brand": "Sony",
25     "model": "Bravia-Z",
26     "warranty": 5
27   },
28   {
29     "_id": {
30       "$oid": "654528fcd277f905c1dae3c5"
```

{ } 4.2.txt X

Part-I DBSystems > { } 4.2.txt > { } 1 > last_updated

```
1  [
2  {
3    "_id": {
4      "$oid": "65452972d277f905c1dae3cd"
5    },
6    "sku": "SNY-11001",
7    "quantity": 100,
8    "last_updated": "2021-11-18 18:19:27"
9  },
10 {
11   "_id": {
12     "$oid": "65452972d277f905c1dae3ce"
13   },
14   "sku": "SNY-12002",
15   "quantity": 80,
16   "last_updated": "2021-12-01 23:12:45"
17 },
18 {
19   "_id": {
20     "$oid": "65452972d277f905c1dae3cf"
21   },
22   "sku": "SMG-21001",
23   "quantity": 400,
24   "last_updated": "2021-10-31 19:30:18"
25 },
26 {
27   "_id": {
28     "$oid": "65452972d277f905c1dae3d0"
29   },
30   "sku": "SMG-22001",
31   "quantity": 200,
32   "last_updated": "2021-10-31 19:30:18"
33 },
34 }
```

```

1  [
2  | {
   Edit Document
3  |   "_id": {
4  |     "$oid": "654529fed277f905c1dae3d7"
5  |   },
6  |   "name": "Anjali Gupta",
7  |   "email": "anjali.gupta@zestmail.com",
8  |   "created": "2020-12-08 13:01:56",
9  |   "last_accessed": "2021-12-04 13:23:00",
10 |   "role": "Customer"
11 | },
12 | {
   Edit Document
13 |   "_id": {
14 |     "$oid": "654529fed277f905c1dae3d8"
15 |   },
16 |   "name": "Kevin Curran",
17 |   "email": "currank@zestmail.com",
18 |   "created": "2021-08-15 09:10:11",
19 |   "last_accessed": "2021-11-30 09:00:23",
20 |   "role": "Supplier"
21 | },
22 | {
   Edit Document
23 |   "_id": {
24 |     "$oid": "654529fed277f905c1dae3d9"
25 |   },
26 |   "name": "Sudha Natarajan",
27 |   "email": "sudha.nat@yourmail.com",
28 |   "created": "2021-06-14 12:12:24",

```

```

1  [
2    {
3      Edit Document
4      "_id": {
5        "$oid": "65452a39d277f905c1dae3e3"
6      },
7      "created": "2021-12-06 23:12:09",
8      "last_updated": "2021-12-07 20:30:01",
9      "items": [
10       {
11         "product_sku": "SNY-11001",
12         "unit_price": 100000,
13         "quantity": 1
14       }
15     ],
16     "total_price": 100000,
17     "discount": 10000,
18     "net_price": 90000,
19     "status": 1,
20     "user_email": "sudha.nat@yourmail.com"
21   },
22   {

```

```

23     Edit Document
24     "_id": {
25       "$oid": "65452a39d277f905c1dae3e4"
26     },
27     "created": "2021-12-07 12:18:01",
28     "last_updated": "2021-12-07 23:59:59",
29     "items": [
30       {
31         "product_sku": "SMG-21001",



```


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

{} Playground Result ×



```
1  [
2    {
3      "_id": {
4        "brand": "AppleTV",
5        "model": "AP1"
6      }
7    },
8    {
9      "_id": {
10       "brand": "LG",
11       "model": "ZX"
12     }
13   },
14   {
15     "_id": {
16       "brand": "Sony",
17       "model": "Bravia-Z"
18     }
19   },
20   {
21     "_id": {
22       "brand": "Panasonic",
23       "model": "LY"
24     }
25   },
26   {
27     "_id": {
28       "brand": "Haier",
29       "model": "A"
30     }
31   }
```

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

 Playground Result 

```
1  [  
2    {  
3      "_id": null,  
4      "min": 62000,  
5      "max": 150000  
6    }  
7  ]
```

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

 Playground Result 

```
1  [  
2    {  
3      "sku": "SNY-11001",  
4      "quantity": 100,  
5      "last_updated": "2021-11-18 18:19:27"  
6    }  
7  ]
```

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

≡ Playground Result ×



```
1 3
```

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

{ } Playground Result ×

```
1  [
2    {
3      "sku": "SNY-11001",
4      "code": "Sony-01",
5      "price": 100000,
6      "brand": "Sony",
7      "model": "Bravia-X",
8      "warranty": 5
9    }
10 ]
```

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

 Playground Result 

```
1  [  
2    {  
3      "sku": "SNY-12002",  
4      "code": "Sony-02",  
5      "price": 120000,  
6      "created": "2021-09-19 08:23:45",  
7      "last_updated": "2021-09-19 08:23:45",  
8      "brand": "Sony",  
9      "model": "Bravia-Z",  
10     "warranty": 5  
11   }  
12 ]
```

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


{} Playground Result **×**




```
1  [
2    {
3      "_id": "Sony",
4      "count": 2
5    },
6    {
7      "_id": "Samsung",
8      "count": 2
9    },
10   {
11     "_id": "LG",
12     "count": 2
13   },
14   {
15     "_id": "Panasonic",
16     "count": 1
17   },
18   {
19     "_id": "AppleTV",
20     "count": 1
21   },
22   {
23     "_id": "Haier",
24     "count": 1
25   },
26   {
27     "_id": "GoogleTV",
28     "count": 1
29   }
30 ]
```

12. Find the total number of users by each role, sort them in descending order and save the results in the temporary collection.


 Playground Result 







```
1  [
2    {
3      "_id": "Customer",
4      "count": 9
5    },
6    {
7      "_id": "Supplier",
8      "count": 3
9    }
10 ]
```


 My Queries


 Databases  

Search

▼  ProductOrder

-  Inventory
-  Order
-  Product
-  User
-  temp_role_count_col... 

►  admin

►  config

ProductOrder.temp_role_count_collection

Documents

Aggregations

Schema

Indexes

Validation

[Filter](#) 



Type a query: { field: 'value' } or [Generate query](#) 

 ADD DATA ▼

 EXPORT DATA ▼



_id: "Customer"
count: 9

_id: "Supplier"
count: 3

9