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Class: SYMCA-C NoSQL Batch 1

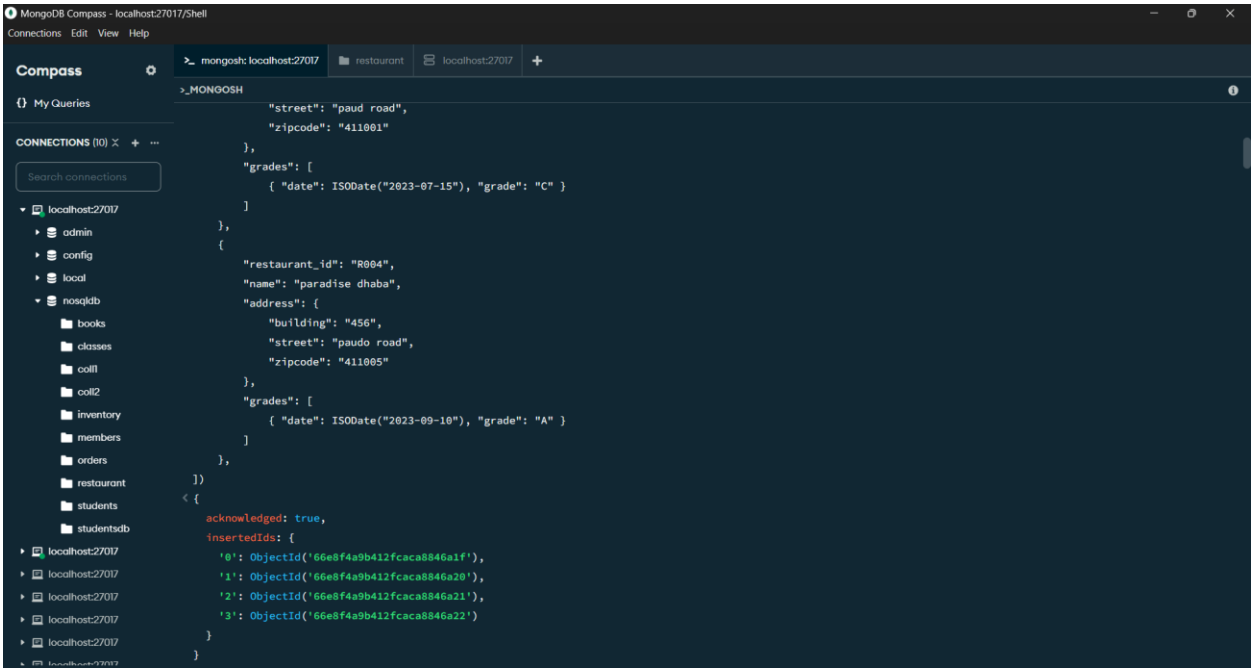
Assignment 5

create a collection for restaurant you need to add address in form of array address include building number, street, zip code as well as need to create grades of restaurant with the form of date, name and restaurant id

```
db.restaurant.insertMany([
  {
    "restaurant_id": "R001",
    "name": "The Pune Kitchen",
    "address": {
      "building": "123",
      "street": "Laxmi road",
      "zipcode": "411051"
    },
    "grades": [
      { "date": ISODate("2023-09-15"), "grade": "A" }
    ]
  },
  {
```

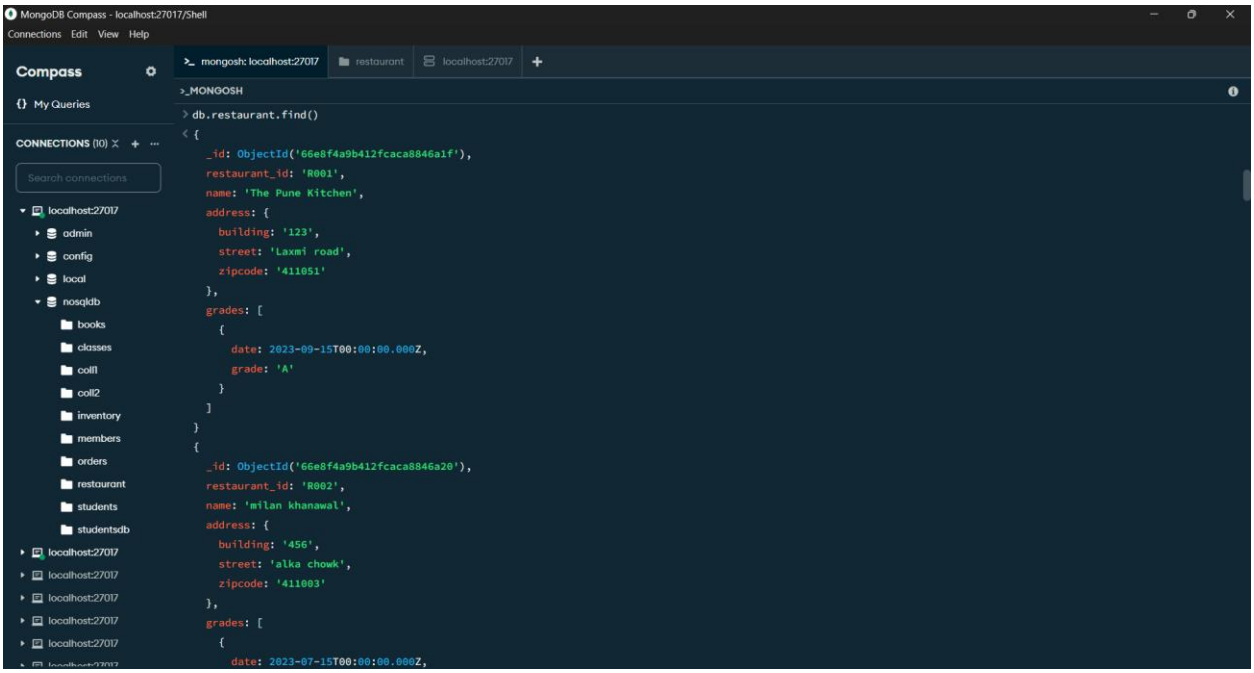
```
    "restaurant_id": "R002",
    "name": "milan khanawal",
    "address": {
        "building": "456",
        "street": "alka chowk",
        "zipcode": "411003"
    },
    "grades": [
        { "date": ISODate("2023-07-15"), "grade": "B" }
    ]
},
{
    "restaurant_id": "R003",
    "name": "hotel kothrud",
    "address": {
        "building": "456",
        "street": "paud road",
        "zipcode": "411001"
    },
    "grades": [
        { "date": ISODate("2023-07-15"), "grade": "C" }
    ]
},
```

```
    {
        "restaurant_id": "R004",
        "name": "paradise dhaba",
        "address": {
            "building": "456",
            "street": "paudo road",
            "zipcode": "411005"
        },
        "grades": [
            { "date": ISODate("2023-09-10"), "grade": "A" }
        ]
    },
])
```



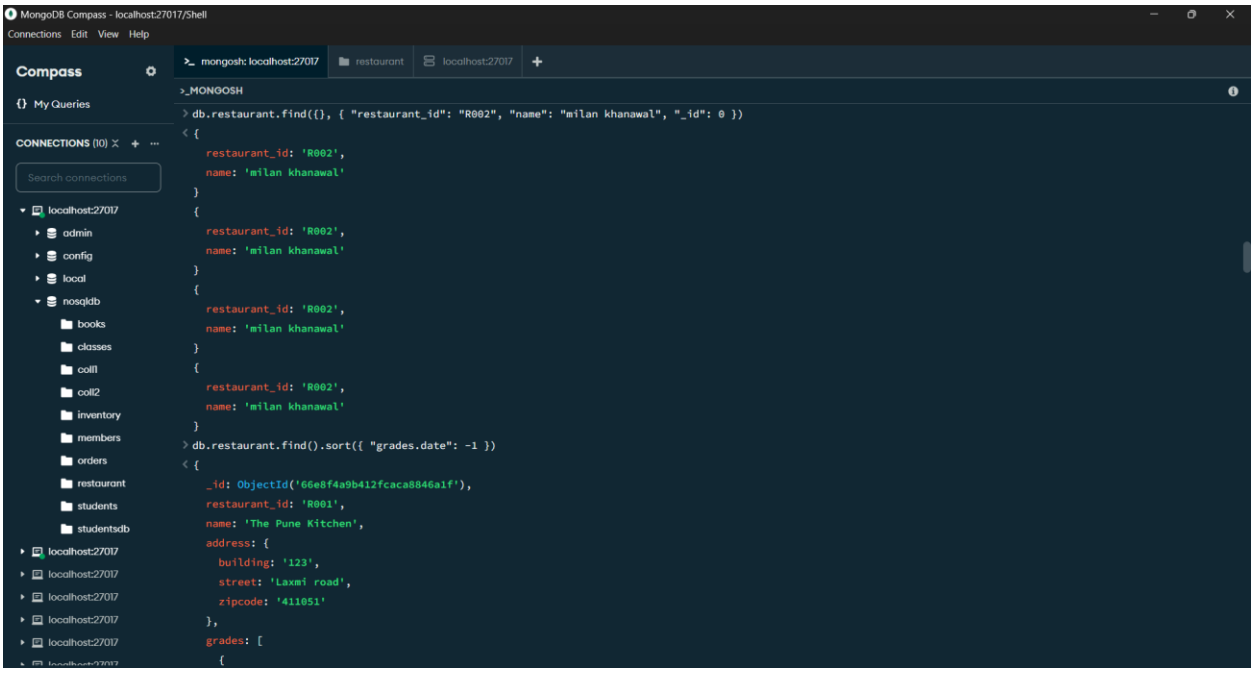
1. display all documents in collection restaurant

db.restaurant.find()



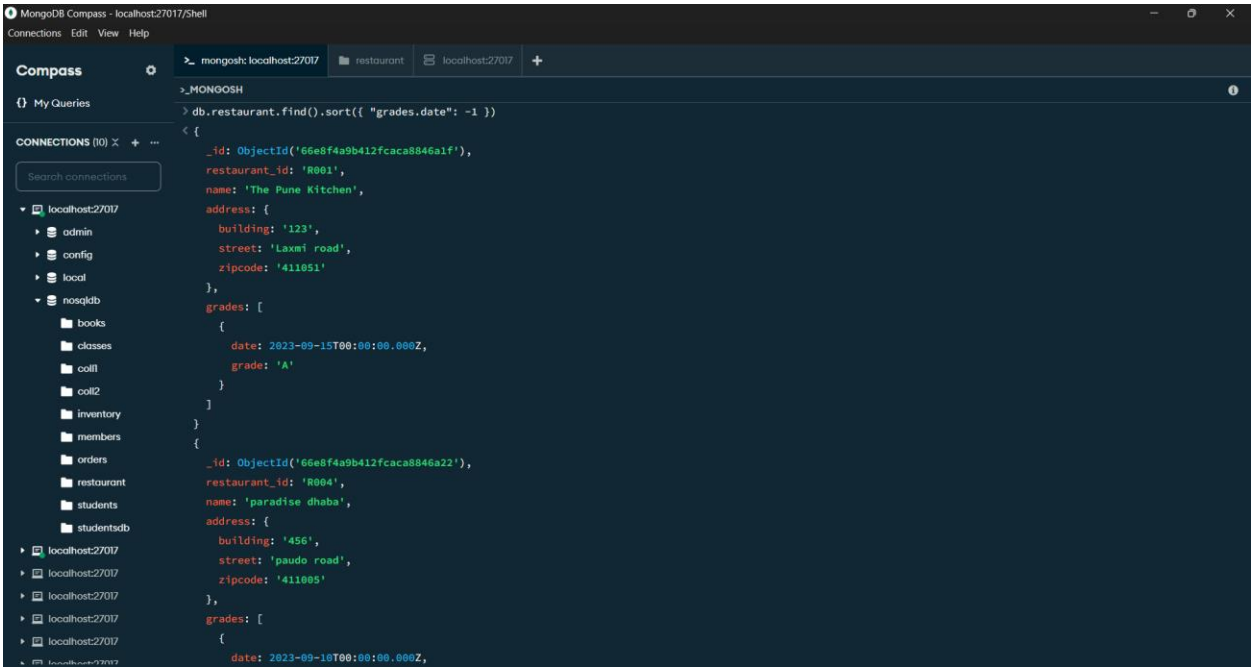
2. display only field restaurant id and name

db.restaurant.find({}, { "restaurant_id": "R002", "name": "milan khanawal", "_id": 0 })



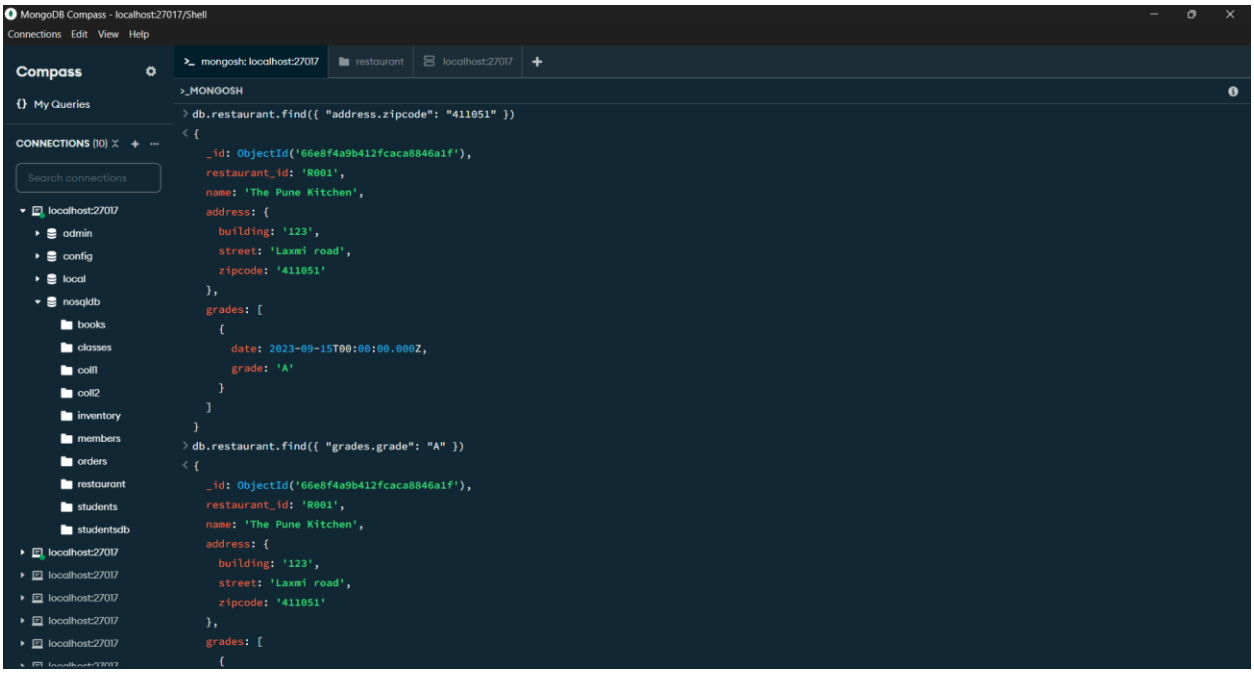
3. filter date wise in form of descending order all details

db.restaurant.find().sort({ "grades.date": -1 })



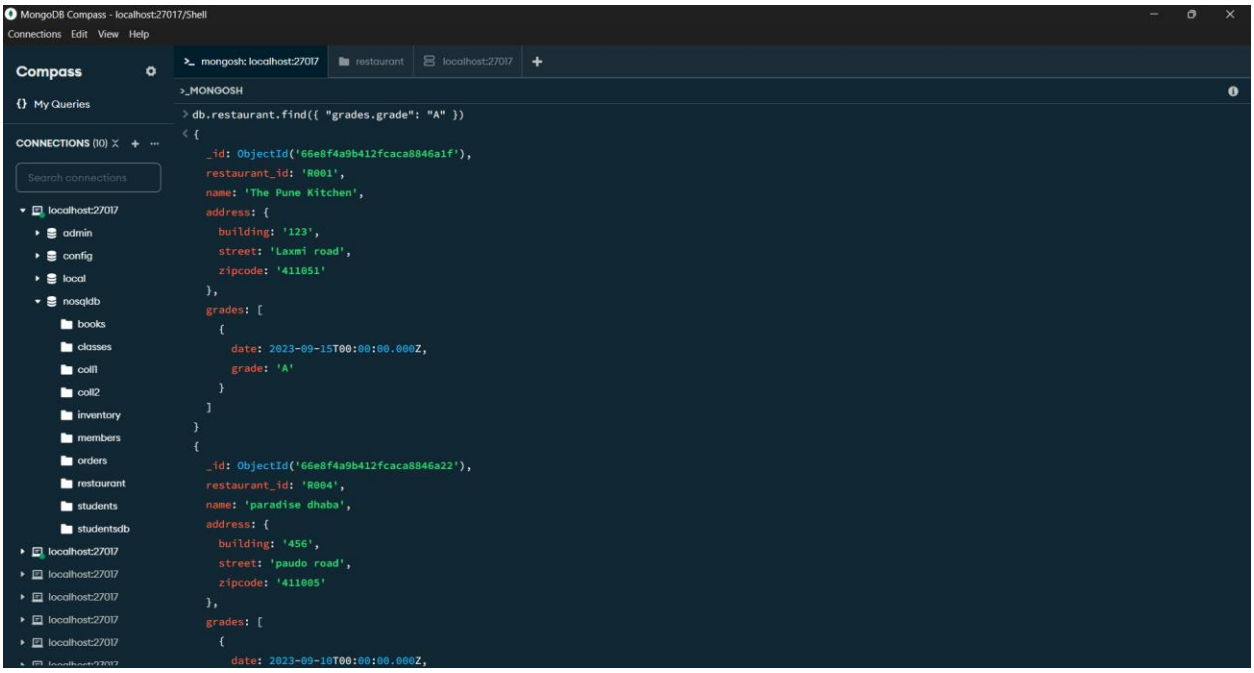
4. write command to display all restaurant those who have zip code is 411051

db.restaurant.find({ "address.zipcode": "411051" })



5. find restaurant who grade A

db.restaurant.find({ "grades.grade": "A" })



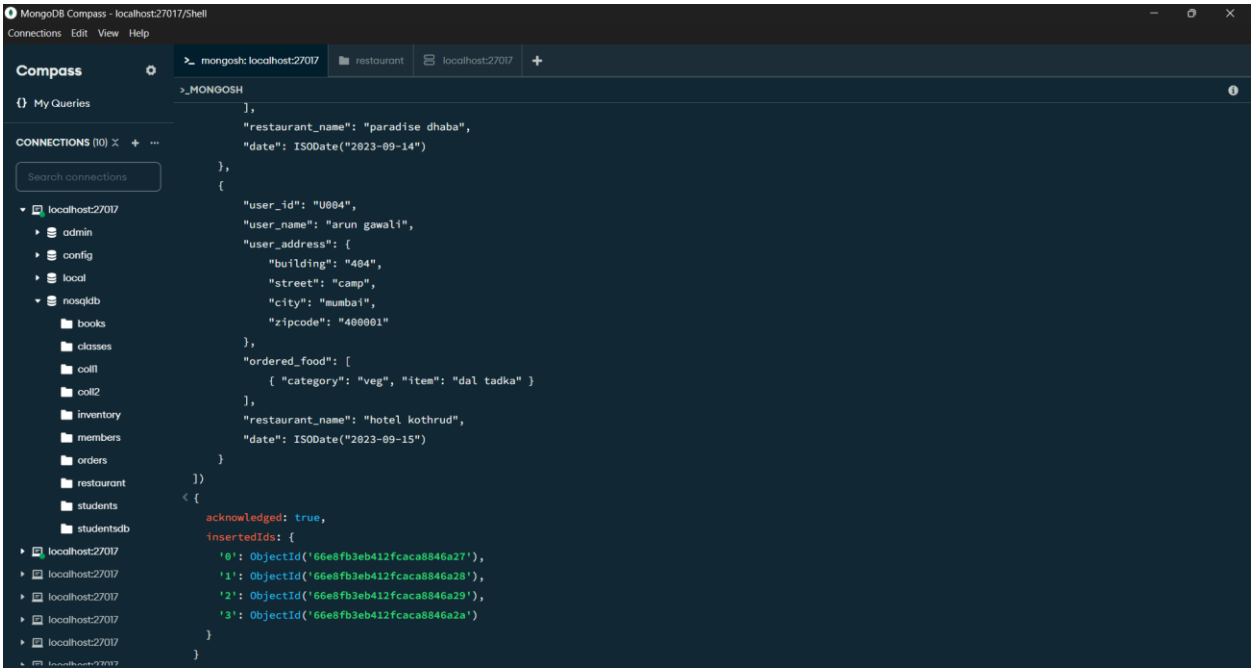
create another collection for user includes user id, user name, user address, ordered food, restaurant name, and date

```
db.user.insertMany([
  {
    "user_id": "U001",
    "user_name": "jony shinde",
    "user_address": {
      "building": "101",
      "street": "mg road",
      "city": "pune",
      "zipcode": "411001"
    },
    "ordered_food": [
```

```
        { "category": "non-veg", "item": "chicken biryani" }
    ],
    "restaurant_name": "the pune kitchen",
    "date": ISODate("2023-09-12")
},
{
    "user_id": "U002",
    "user_name": "danny pandit",
    "user_address": {
        "building": "202",
        "street": "koregaon park",
        "city": "pune",
        "zipcode": "411036"
    },
    "ordered_food": [
        { "category": "veg", "item": "paneer butter masala" }
    ],
    "restaurant_name": "milan khanawal",
    "date": ISODate("2023-09-13")
},
{
    "user_id": "U003",
    "user_name": "atharv sudame",
```

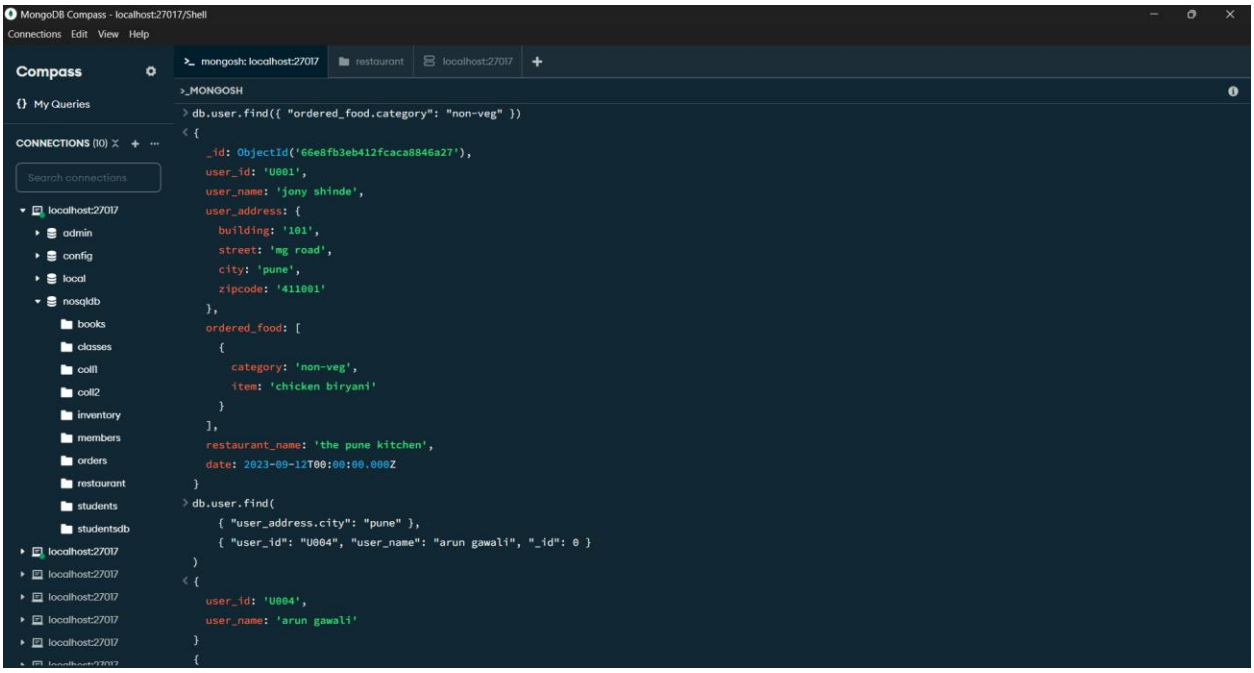
```
    "user_address": {
      "building": "303",
      "street": "baner road",
      "city": "pune",
      "zipcode": "411045"
    },
    "ordered_food": [
      { "category": "non-Veg", "item": "mutton curry" }
    ],
    "restaurant_name": "paradise dhaba",
    "date": ISODate("2023-09-14")
  },
  {
    "user_id": "U004",
    "user_name": "arun gawali",
    "user_address": {
      "building": "404",
      "street": "camp",
      "city": "mumbai",
      "zipcode": "400001"
    },
    "ordered_food": [
      { "category": "veg", "item": "dal tadka" }
```

```
    ],
    "restaurant_name": "hotel kothrud",
    "date": ISODate("2023-09-15")
  }
])
```



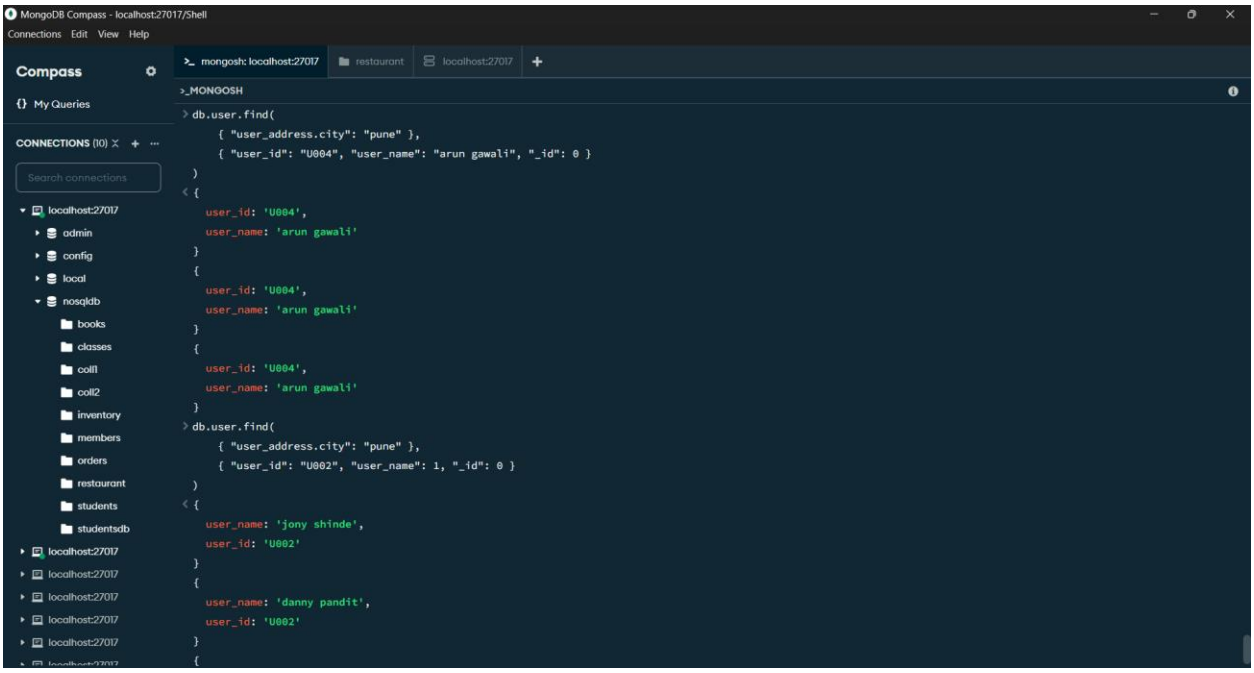
1. filter address wise user details who have order food in non-veg category

```
db.user.find({ "ordered_food.category": "non-veg" })
```



2. filter user id and only name those who have ordered their food from area of pune

```
db.user.find(
    { "user_address.city": "pune" },
    { "user_id": "U004", "user_name": "arun gawali", "_id": 0 }
)
```


MongoDB Compass - localhost:27017/Shell
Connections Edit View Help
Compass
My Queries
CONNECTIONS (10)
Search connections
localhost:27017
admin
config
local
nosqldb
books
classes
coll1
coll2
inventory
members
orders
restaurant
students
studentsdb
mongosh: localhost:27017
restaurant
localhost:27017
>_MONGOSH
db.user.find(
{ "user_address.city": "pune" },
{ "user_id": "U004", "user_name": "arun gawali", "_id": 0 }
)
{
user_id: 'U004',
user_name: 'arun gawali'
}
{
user_id: 'U004',
user_name: 'arun gawali'
}
{
user_id: 'U004',
user_name: 'arun gawali'
}
db.user.find(
{ "user_address.city": "pune" },
{ "user_id": "U002", "user_name": 1, "_id": 0 }
)
{
user_name: 'jony shinde',
user_id: 'U002'
}
{
user_name: 'danny pandit',
user_id: 'U002'
}
{