```
                    }
            ]
    2-}
    20{
            "_id" : ObjectId("665966d1a2fe6d980b944a42"),
            "category_id" : 3,
            "name" : "Consoles",
            "parent_category" : null,
            "products" : [
                    {
                            "product_id" : 4,
                            "name" : "Sony PlayStation 5",
                            "price" : 4999.99,
                            "quantity" : 20
                    },
                    {
                            "product_id" : 5,
                            "name" : "Nintendo",
                            "price" : 149.99,
                            "quantity" : 12
                    }
            ]
    }
    {
            "_id" : ObjectId("66596798a2fe6d980b944a43"),
            "category_id" : 4,
            "name" : "iPhone",
            "parent_category" : 1,
            "products" : [
                    {
                            "product_id" : 1,
                            "name" : "iPhone 12",
                            "price" : 999.99,
                            "quantity" : 10
                    }
            ]
    }
    {
            "_id" : ObjectId("66596a1ca2fe6d980b944a44"),
            "category_id" : 5,
            "name" : "Windows",
            "parent_category" : 2,
            "products" : [
                    {
```

mca@localhost:~

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```
> db.categories.insertOne({ "category_id":4,"name":"iPhone","parent_category":1,"products":[{"product_id":1,"name":"iPhone 12","price":999.99,"quantity":10}]})
{
        "acknowledged" : true,
        "insertedId" : ObjectId("66596798a2fe6d980b944a43")
}
> db.categories.insertOne({ "category_id":5,"name":"Windows","parent_category":2,"products":[{"product_id":3,"name":"Dell XPS","price":1599.99,"quantity":8}]})
{
        "acknowledged" : true,
        "insertedId" : ObjectId("66596a1ca2fe6d980b944a44")
}
> db.categories.insertOne({ "category_id":6,"name":"Xbox","parent_category":3,"products":[{"product_id":6,"name":"Xbox Series","price":499.99,"quantity":25}]})
{
        "acknowledged" : true,
        "insertedId" : ObjectId("66596a8da2fe6d980b944a45")
}
> db.categories.find().pretty()
{
        "_id" : ObjectId("665963a5a2fe6d980b944a40"),
        "category_id" : 1,
        "name" : "phone",
        "parent_category" : null,
        "products" : [ ]
}
{
        "_id" : ObjectId("66596585a2fe6d980b944a41"),
        "category_id" : 2,
        "name" : "Laptops",
        "parent_category" : null,
        "products" : [
                {
                        "product_id" : 1,
                        "name" : "MacBook Pro",
                        "price" : 1999.99,
                        "quantity" : 5
                }
        ]
}
{
        "_id" : ObjectId("665966d1a2fe6d980b944a42"),
        "category_id" : 3,
        "name" : "Consoles",
        "parent_category" : null,
        "products" : [
```

```
2024-05-31T11:28:14.308+0530 E  QUERY    [js] uncaught exception: TypeError: db.categories.find.pretty is not a function :
@(shell):1:1
> db.categories.find().pretty()
{
        "_id" : ObjectId("665963a5a2fe6d980b944a40"),
        "category_id" : 1,
        "name" : "phone",
        "parent_category" : null,
        "products" : [ ]
}
{
        "_id" : ObjectId("66596585a2fe6d980b944a41"),
        "category_id" : 2,
        "name" : "Laptops",
        "parent_category" : null,
        "products" : [
                {
                        "product_id" : 1,
                        "name" : "MacBook Pro",
                        "price" : 1999.99,
                        "quantity" : 5
                }
        ]
}
{
        "_id" : ObjectId("665966d1a2fe6d980b944a42"),
        "category_id" : 3,
        "name" : "Consoles",
        "parent_category" : null,
        "products" : [
                {
                        "product_id" : 4,
                        "name" : "Sony PlayStation 5",
                        "price" : 4999.99,
                        "quantity" : 20
                },
                {
                        "product_id" : 5,
                        "name" : "Nintendo",
                        "price" : 149.99,
                        "quantity" : 12
                }
        ]
}
```

Queries:

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```
20}
20> db.categories.drop()
2-true
20>
20>
20>
a2>
20> db.createCollection("categories")
20{ "ok" : 1 }
64> db.categories.insertOne({ "category_id":1,"name":"phone","parent_category":NULL,"products":[]})
202024-05-31T11:12:37.886+0530 E  QUERY   [js] uncaught exception: ReferenceError: NULL is not defined :
85@(shell):1:58
20> db.categories.insertOne({ "category_id":1,"name":"phone","parent_category":NULL,"products":[]})
202024-05-31T11:13:38.191+0530 E  QUERY   [js] uncaught exception: ReferenceError: NULL is not defined :
20@(shell):1:58
5b> db.categories.insertOne({ "category_id":1,"name":"phone","parent_category":null,"products":[]})
20{
55        "acknowledged" : true,
20        "insertedId" : ObjectId("665963a5a2fe6d980b944a40")
20}
20> db.categories.insertOne({ "category_id":2,"name":"Laptops","parent_category":null,"products":[{"product_id":1,"name":"MacBook Pro","price":1999.99,"quantity":5}]})
66{
20        "acknowledged" : true,
d2        "insertedId" : ObjectId("66596585a2fe6d980b944a41")
20}
 > db.categories.insertOne({ "category_id":3,"name":"Consoles","parent_category":null,"products":[{"product_id":4,"name":"Sony PlayStation 5","price":4999.99,"quantity":20},{"
 product_id":5,"name":"Nintendo","price":149.99,"quantity":12}]})
 {
         "acknowledged" : true,
         "insertedId" : ObjectId("665966d1a2fe6d980b944a42")
 }
 > db.categories.find.pretty()
 2024-05-31T11:28:14.308+0530 E  QUERY    [js] uncaught exception: TypeError: db.categories.find.pretty is not a function :
 @(shell):1:1
 > db.categories.find().pretty()
 {
         "_id" : ObjectId("665963a5a2fe6d980b944a40"),
         "category_id" : 1,
         "name" : "phone",
         "parent_category" : null,
         "products" : [ ]
 }
 {
         "_id" : ObjectId("66596585a2fe6d980b944a41"),
```

Queries:

```
20}
20{
2-        "_id" : ObjectId("66596798a2fe6d980b944a43"),
20        "category_id" : 4,
20        "name" : "iPhone",
20        "parent_category" : 1,
a2        "products" : [
20                {
20                        "product_id" : 1,
64                        "name" : "iPhone 12",
20                        "price" : 999.99,
85                        "quantity" : 10
20                }
20        ]
20}
5b{
20        "_id" : ObjectId("66596a1ca2fe6d980b944a44"),
55        "category_id" : 5,
20        "name" : "Windows",
20        "parent_category" : 2,
20        "products" : [
66                {
20                        "product_id" : 3,
d2                        "name" : "Dell XPS",
20                        "price" : 1599.99,
                         "quantity" : 8
                }
        ]

0}
{
C        "_id" : ObjectId("66596a8da2fe6d980b944a45"),
ca       "category_id" : 6,
ca       "name" : "Xbox",
a        "parent_category" : 3,
ca       "products" : [
                {
D                        "product_id" : 6,
(                        "name" : "Xbox Series",
D                        "price" : 499.99,
(                        "quantity" : 25
6                }
6}       ]
>
Queries:
```