

```

20      }
20    ]
2- }
20 {
20   "_id" : ObjectId("665966d1a2fe6d980b944a42"),
20   "category_id" : 3,
a2   "name" : "Consoles",
20   "parent_category" : null,
20   "products" : [
64     {
20       "product_id" : 4,
85       "name" : "Sony PlayStation 5",
20       "price" : 4999.99,
20       "quantity" : 20
20     },
5b     {
20       "product_id" : 5,
55       "name" : "Nintendo",
20       "price" : 149.99,
20       "quantity" : 12
20     }
66   ]
20 }
d2 {
20   "_id" : ObjectId("66596798a2fe6d980b944a43"),
20   "category_id" : 4,
20   "name" : "iPhone",
20   "parent_category" : 1,
20   "products" : [
20     {
20       "product_id" : 1,
ca       "name" : "iPhone 12",
ca       "price" : 999.99,
ca       "quantity" : 10
20     }
20   ]
De {
20   "_id" : ObjectId("66596a1ca2fe6d980b944a44"),
20   "category_id" : 5,
20   "name" : "Windows",
20   "parent_category" : 2,
20   "products" : [
6   {

```

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20}
20> db.categories.insertOne({ "category_id":4,"name":"iPhone","parent_category":1,"products":[{"product_id":1,"name":"iPhone 12","price":999.99,"quantity":10}]})
20{
20  "acknowledged" : true,
20  "insertedId" : ObjectId("66596798a2fe6d980b944a43")
20}
a2> db.categories.insertOne({ "category_id":5,"name":"Windows","parent_category":2,"products":[{"product_id":3,"name":"Dell XPS","price":1599.99,"quantity":8}]})
20{
20  "acknowledged" : true,
64  "insertedId" : ObjectId("66596a1ca2fe6d980b944a44")
20}
85> db.categories.insertOne({ "category_id":6,"name":"Xbox","parent_category":3,"products":[{"product_id":6,"name":"Xbox Series","price":499.99,"quantity":25}]})
20{
20  "acknowledged" : true,
20  "insertedId" : ObjectId("66596a8da2fe6d980b944a45")
5b}
20> db.categories.find().pretty()
55{
20  "_id" : ObjectId("665963a5a2fe6d980b944a40"),
20  "category_id" : 1,
20  "name" : "phone",
66  "parent_category" : null,
20  "products" : [ ]
d2}
20{
20  "_id" : ObjectId("66596585a2fe6d980b944a41"),
20  "category_id" : 2,
20  "name" : "Laptops",
20  "parent_category" : null,
20  "products" : [
20    {
20      "product_id" : 1,
20      "name" : "MacBook Pro",
20      "price" : 1999.99,
20      "quantity" : 5
20    }
20  ]
20}
20{
20  "_id" : ObjectId("665966d1a2fe6d980b944a42"),
20  "category_id" : 3,
20  "name" : "Consoles",
20  "parent_category" : null,
20  "products" : [
20    {
20      "product_id" : 6,
20      "name" : "Xbox Series",
20      "price" : 499.99,
20      "quantity" : 25
20    }
20  ]
20}
20}

Queries:
```

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202024-05-31T11:28:14.308+0530 E QUERY [js] uncaught exception: TypeError: db.categories.find.pretty is not a function :

20@(shell):1:1

2-> db.categories.find().pretty()

```
20{
  " _id" : ObjectId("665963a5a2fe6d980b944a40"),
  "category_id" : 1,
  "name" : "phone",
  "parent_category" : null,
  "products" : [ ]
64}

20{
  " _id" : ObjectId("66596585a2fe6d980b944a41"),
  "category_id" : 2,
  "name" : "Laptops",
  "parent_category" : null,
  "products" : [
    {
      "product_id" : 1,
      "name" : "MacBook Pro",
      "price" : 1999.99,
      "quantity" : 5
    }
  ]
66}

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
    }
  ]
68}
```

Queries:

```
Activities Terminal May 31 11:45 mca@localhost:~
File Edit View Search Terminal Help
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")
}
C}
> db.categories.find.pretty()
c 2024-05-31T11:28:14.308+0530 E QUERY [js] uncaught exception: TypeError: db.categories.find.pretty is not a function :
a  @ (shell):1:1
a> db.categories.find().pretty()
c{
  "_id" : ObjectId("665963a5a2fe6d980b944a40"),
  "category_id" : 1,
  "name" : "phone",
  "parent_category" : null,
  "products" : [ ]
}
6 {
  "_id" : ObjectId("66596585a2fe6d980b944a41"),
  "category_id" : 2,
  "name" : "Laptops",
  "parent_category" : null,
  "products" : [ {
    "product_id" : 1,
    "name" : "MacBook Pro",
    "price" : 1999.99,
    "quantity" : 5
  } ]
}
6 {
  "_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
  } ]
}
6 }
```

Queries:

```
20}
20{
2-  "_id" : ObjectId("66596798a2fe6d980b944a43"),
20  "category_id" : 4,
20  "name" : "iPhone",
20  "parent_category" : 1,
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20    {
20      "product_id" : 1,
64      "name" : "iPhone 12",
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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
66    }
20  ]
20}
{
C  "_id" : ObjectId("66596a8da2fe6d980b944a45"),
ca  "category_id" : 6,
ca  "name" : "Xbox",
ca  "parent_category" : 3,
a  "products" : [
ca    {
D      "product_id" : 6,
      "name" : "Xbox Series",
      "price" : 499.99,
      "quantity" : 25
D    }
  ]
}
6
>
```