

Run MongoDB as a Docker Container:

```
docker run -d -p 27017:27017 --name MONGO_CONTAINER mongo:latest
```

Start the MongoDB shell:

```
docker exec -it MONGO_CONTAINER bash
```

mongosh command

```
administrator@administrator-virtual-machine:~$ mongosh
Current Mongosh Log ID: 61be6fe8a257c066584fc209
Connecting to:      mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
Using MongoDB:      5.0.5
Using Mongosh:      1.1.7

For mongosh info see: https://docs.mongodb.com/mongodb-shell/

-----
The server generated these startup warnings when booting:
2021-12-18T23:29:38.863+00:00: Using the XFS filesystem is strongly recommended with the WiredTiger storage engine. See http://dochub.mongodb.org/core/prodnotes-filesystem
2021-12-18T23:29:41.386+00:00: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
-----

test> 
```

Show dbs → we select the database.

Create and use a new database warehouse.

```
test> show dbs
admin      41 kB
config     61.4 kB
lab        8.19 kB
local     73.7 kB
test> use lab
switched to db lab
lab> use warehouse
switched to db warehouse
warehouse> 
```

Create a new collection named Items.

```
switched to db lab
lab> use warehouse
switched to db warehouse
warehouse> db.createCollection('items')
{ ok: 1 }
warehouse> 
```

Add a document in the collection:

```
warehouse> db.createCollection('items')
warehouse> db.items.insertMany([{name: "item2", qty: 12}, {name: "item3", qty: 3}])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("61be737bfc83bf69491d31d5"),
    '1': ObjectId("61be737bfc83bf69491d31d6")
  }
}
warehouse>
```

Show all documents in the collection:

```
}
warehouse> db.items.find
[Function: find] AsyncFunction {
  returnsPromise: true,
  apiVersions: [ 1, Infinity ],
  returnType: 'Cursor',
  serverVersions: [ '0.0.0', '999.999.999' ],
  topologies: [ 'ReplSet', 'Sharded', 'LoadBalanced', 'Standalone' ],
  deprecated: false,
  platforms: [ 0, 1, 2 ],
  isDirectShellCommand: false,
  acceptsRawInput: false,
  shellCommandCompleter: undefined,
  help: [Function (anonymous)] Help
}
warehouse>
```

Find a single document by name:

```
warehouse> db.items.findOne({name: "item2"})
{ _id: ObjectId("61be737bfc83bf69491d31d5"), name: 'item2', qty: 12 }
warehouse> █
```