

A grayscale photograph of a person's hands typing on a laptop keyboard. A large, semi-transparent blue circle is centered over the keyboard. Inside this circle, the text "MongoDB Shell" is written in white, bold, sans-serif font. The background shows a wooden desk with a pair of white earbuds, a small potted plant, and a stack of books to the right of the laptop.

MongoDB Shell

MongoDB Atlas

MongoDB Enterprise Advanced

MongoDB Community Edition

Tools

MongoDB Shell

Package

zip



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More Options ...

INSTALANDO MongoDB Shell

<https://www.mongodb.com/try/download/shell>

```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
Please enter a MongoDB connection string (Default: mongodb://localhost/):

Current Mongosh Log ID: 64da4767326fdb14ab8bcbf5
Connecting to:      mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+1
.10.5
Using MongoDB:      6.0.8
Using Mongosh:      1.10.5

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

To help improve our products, anonymous usage data is collected and sent to MongoDB periodically (https://www.mongodb.co
n/legal/privacy-policy).
You can opt-out by running the disableTelemetry() command.

-----
The server generated these startup warnings when booting
2023-08-14T10:28:18.751-04:00: Access control is not enabled for the database. Read and write access to data and conf
figuration is unrestricted
-----

test>
```




PRIMEROS PASOS

```
test> 10 +10
20
test> use example
switched to db example
example> show dbs
admin      40.00 KiB
config    108.00 KiB
local      40.00 KiB
example>

example> db.users.insert({"William":"Barra"})
DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany, or bulkWrite.
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("64da4a9aaa9295298db23738") }
}
example> show dbs
admin      40.00 KiB
config    108.00 KiB
example    40.00 KiB
local      40.00 KiB
example>
```

TABLA = COLECCIONES
ROW = DOCUMENTO

InsertOne y Fine (Insertar mostrar datos)

```
example> db.users.insertOne({"Saul": "Jimenez"})
{
  acknowledged: true,
  insertedId: ObjectId("64da4b19aa9295298db23739")
}
example>
```

```
example> db.users.find()
[
  { _id: ObjectId("64da4a9aaa9295298db23738"), William: 'Barra' },
  { _id: ObjectId("64da4b19aa9295298db23739"), Saul: 'Jimenez' }
]
```

To return all documents from the `sample_mflix.movies` collection:

```
use sample_mflix
```

```
db.movies.find()
```

This operation is equivalent to the following SQL statement:

```
SELECT * FROM movies
```

SQL y NOSQL

```
use sample_mflix
```

```
db.movies.find( { "title": "Titanic" } )
```

This operation corresponds to the following SQL statement:

```
SELECT * FROM movies WHERE title = "Titanic"
```

SQL y NOSQL

CREANDO LA BASE DE DATOS BIBLIOTECA

```
example> use biblioteca
switched to db biblioteca
biblioteca>

biblioteca> db.libros.insertOne({ "Autor": "Juan Salvador", "nacionalidad": "Bolivia" })
{
  acknowledged: true,
  insertedId: ObjectId("64da5045aa9295298db2373a")
}
biblioteca> db.libros.insertOne({ "Autor": "Mijail", "nacionalidad": "Bolivia", "Titulo": "Bolivia y su cultura", "ISBN": 1233455 })
{
  acknowledged: true,
  insertedId: ObjectId("64da507aaa9295298db2373b")
}
biblioteca> db.libros.find({})
[
  {
    _id: ObjectId("64da5045aa9295298db2373a"),
    Autor: 'Juan Salvador',
    nacionalidad: 'Bolivia'
  },
  {
    _id: ObjectId("64da507aaa9295298db2373b"),
    Autor: 'Mijail',
    nacionalidad: 'Bolivia',
    Titulo: 'Bolivia y su cultura',
    ISBN: 1233455
  }
]
biblioteca>
```



```
example> show dbs
admin      40.00 KiB
config    108.00 KiB
example    72.00 KiB
local      40.00 KiB
example> use example
already on db example
example> db.users.find({})
[
  { _id: ObjectId("64da4a9aaa9295298db23738"), William: 'Barra' },
  { _id: ObjectId("64da4b19aa9295298db23739"), Saul: 'Jimenez' }
]
example> db.users.find({"William": "Barra"})
[ { _id: ObjectId("64da4a9aaa9295298db23738"), William: 'Barra' } ]
example> db.users.find({"William": "Barras"})

example>
```

SQL y NOSQL (Realizar labs)

```
biblioteca> show collections
autores
libros
biblioteca> db.autores.drop()
true
biblioteca>


biblioteca>

biblioteca> show collections
libros
biblioteca>
```

Eliminando Colecciones

El objeto JSON

```
{  
  key      value  
  "principal": "milanesa",  
  "acompañamiento": "papas fritas",  
  "bebida": "agua",  
  "postre": "helado"  
}
```



Type	Number	Alias
Double	1	"double"
String	2	"string"
Object	3	"object"
Array	4	"array"
Binary data	5	"binData"
Undefined	6	"undefined"
ObjectId	7	"objectId"
Boolean	8	"bool"
Date	9	"date"
Null	10	"null"

TIPOS DE DATOS EN MONGODB

<https://www.mongodb.com/docs/manual/reference/bson-types/>

Thanks!

Any questions?

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