



UNIVERSIDAD TECNOLÓGICA DE SAN LUIS RIO COLORADO

monGOD guía

Inserciones y copias de seguridad

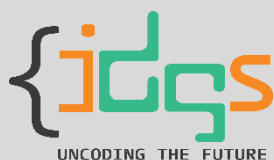
MTRA. JULIA HELIZABETH GARCIA HERRERA

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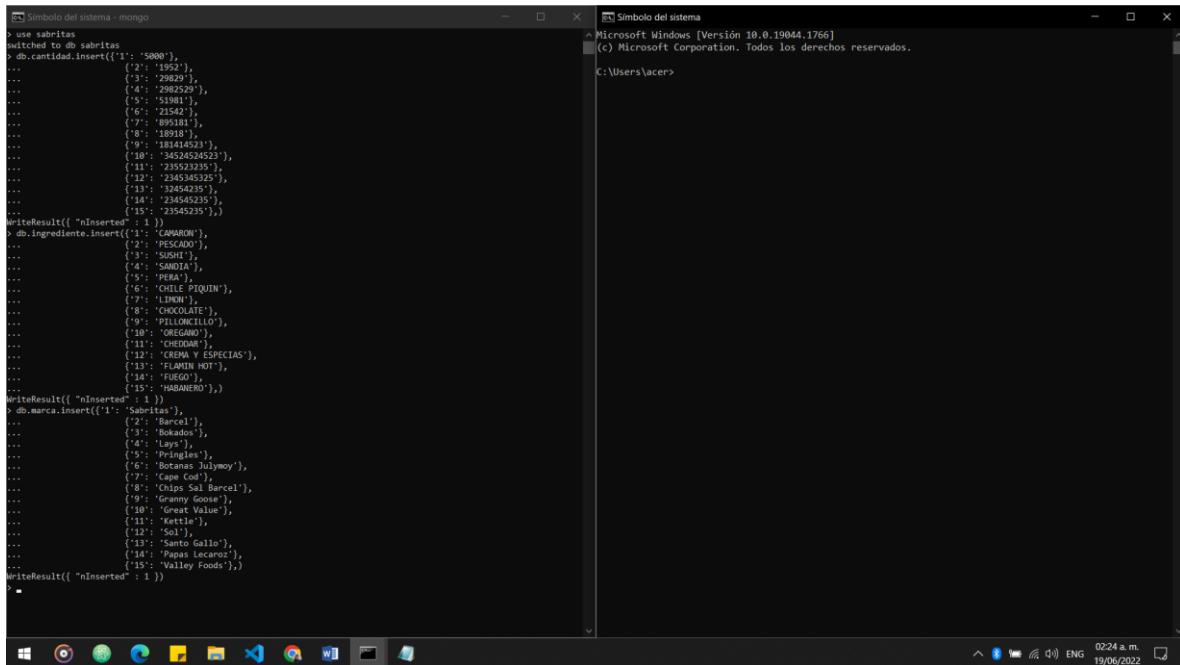
ING. EN DESARROLLO Y GESTIÓN DE SOFTWARE

San Luis Rio Colorado, Sonora

Junio, 2022



A continuación, se dará una breve explicación de cómo realizar la creación de una base de datos junto con sus inserciones de datos a sus colecciones en MongoDB, así como también el cómo realizar copias de seguridad específicas.



The image shows two side-by-side windows. The left window is the MongoDB shell, and the right window is a Windows command prompt.

MongoDB Shell:

```

use sabritas
switched to db sabritas
> db.cantidad.insert({'1': '5000'},
...
{'2': '1952'},
...
{'3': '29829'},
...
{'4': '2982529'},
...
{'5': '51981'},
...
{'6': '21542'},
...
{'7': '895181'},
...
{'8': '18918'},
...
{'9': '181414523'},
...
{'10': '34524524523'},
...
{'11': '23523235'},
...
{'12': '2345345325'},
...
{'13': '32454235'},
...
{'14': '234545235'},
...
{'15': '23545235'},
...
WriteResult({ "nInserted" : 1 })
> db.ingrediente.insert({'1': 'CAVARON'},
...
{'2': 'PESCADO'},
...
{'3': 'SUSHI'},
...
{'4': 'SANDIA'},
...
{'5': 'PERA'},
...
{'6': 'CHILE PIQUIN'},
...
{'7': 'LIMON'},
...
{'8': 'CHOCOLATE'},
...
{'9': 'PILLOKILLO'},
...
{'10': 'OREGANO'},
...
{'11': 'CHEDDAR'},
...
{'12': 'CREMA Y ESPECIAS'},
...
{'13': 'FLAMIN HOT'},
...
{'14': 'FUEGO'},
...
{'15': 'HABANERO'},
...
WriteResult({ "nInserted" : 1 })
> db.marca.insert({'1': 'Sabritas'},
...
{'2': 'Barcel'},
...
{'3': 'Bokados'},
...
{'4': 'Lays'},
...
{'5': 'Pringles'},
...
{'6': 'Botanas Julymoy'},
...
{'7': 'Cape Cod'},
...
{'8': 'Chips Sal Barcel'},
...
{'9': 'Granny Goose'},
...
{'10': 'Great Value'},
...
{'11': 'Kettle'},
...
{'12': 'Sol'},
...
{'13': 'Santo Gallo'},
...
{'14': 'Papas Lecaroz'},
...
{'15': 'Valley Foods'},
...
WriteResult({ "nInserted" : 1 })

```

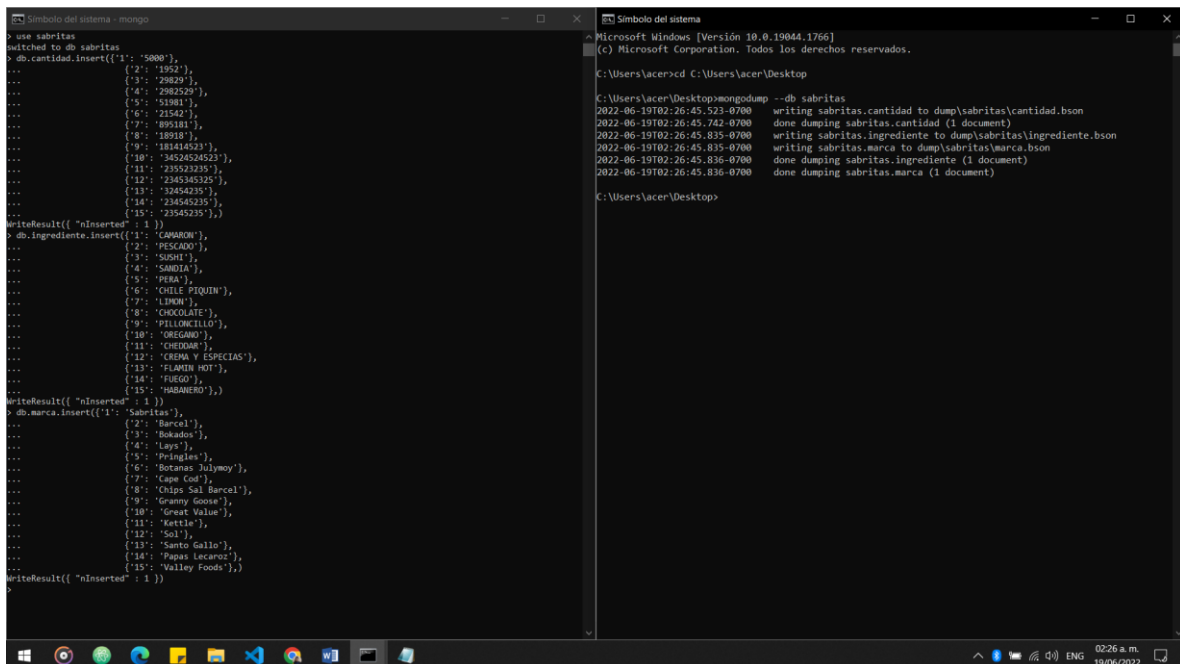
Windows Command Prompt:

```

C:\Users\lacer>

```

Comenzaremos con un ejemplo donde creamos una base de datos llamada 'Sabritas'.



The image shows two side-by-side windows. The left window is the MongoDB shell, and the right window is a Windows command prompt.

MongoDB Shell:

```

use sabritas
switched to db sabritas
> db.cantidad.insert({'1': '5000'},
...
{'2': '1952'},
...
{'3': '29829'},
...
{'4': '2982529'},
...
{'5': '51981'},
...
{'6': '21542'},
...
{'7': '895181'},
...
{'8': '18918'},
...
{'9': '181414523'},
...
{'10': '34524524523'},
...
{'11': '23523235'},
...
{'12': '2345345325'},
...
{'13': '32454235'},
...
{'14': '234545235'},
...
{'15': '23545235'},
...
WriteResult({ "nInserted" : 1 })
> db.ingrediente.insert({'1': 'CAVARON'},
...
{'2': 'PESCADO'},
...
{'3': 'SUSHI'},
...
{'4': 'SANDIA'},
...
{'5': 'PERA'},
...
{'6': 'CHILE PIQUIN'},
...
{'7': 'LIMON'},
...
{'8': 'CHOCOLATE'},
...
{'9': 'PILLOKILLO'},
...
{'10': 'OREGANO'},
...
{'11': 'CHEDDAR'},
...
{'12': 'CREMA Y ESPECIAS'},
...
{'13': 'FLAMIN HOT'},
...
{'14': 'FUEGO'},
...
{'15': 'HABANERO'},
...
WriteResult({ "nInserted" : 1 })
> db.marca.insert({'1': 'Sabritas'},
...
{'2': 'Barcel'},
...
{'3': 'Bokados'},
...
{'4': 'Lays'},
...
{'5': 'Pringles'},
...
{'6': 'Botanas Julymoy'},
...
{'7': 'Cape Cod'},
...
{'8': 'Chips Sal Barcel'},
...
{'9': 'Granny Goose'},
...
{'10': 'Great Value'},
...
{'11': 'Kettle'},
...
{'12': 'Sol'},
...
{'13': 'Santo Gallo'},
...
{'14': 'Papas Lecaroz'},
...
{'15': 'Valley Foods'},
...
WriteResult({ "nInserted" : 1 })

```

Windows Command Prompt:

```

C:\Users\lacer>cd C:\Users\lacer\Desktop
C:\Users\lacer\Desktop>mongodump --db sabritas
2022-06-19T02:26:45.523-0700 writing sabritas.cantidad to dump\sabritas\cantidad.bson
2022-06-19T02:26:45.742-0700 done dumping sabritas.cantidad (1 document)
2022-06-19T02:26:45.835-0700 writing sabritas.ingrediente to dump\sabritas\ingrediente.bson
2022-06-19T02:26:45.835-0700 writing sabritas.marca to dump\sabritas\marca.bson
2022-06-19T02:26:45.836-0700 done dumping sabritas.ingrediente (1 document)
2022-06-19T02:26:45.836-0700 done dumping sabritas.marca (1 document)
C:\Users\lacer\Desktop>

```

Realizamos la copia de seguridad de la base de datos.

```

Simbolo del sistema - mongo
> use sabritas
switched to db sabritas
> db.cantidad.insert({'1': '5000'},
...
    {'2': '1952'},
    {'3': '29829'},
    {'4': '2982929'},
    {'5': '51981'},
    {'6': '21542'},
    {'7': '895181'},
    {'8': '18918'},
    {'9': '181414523'},
    {'10': '34524524523'},
    {'11': '23545235'},
    {'12': '2345345325'},
    {'13': '32454235'},
    {'14': '234545235'},
    {'15': '23545235'},
WriteResult({ "nInserted" : 1 })
> db.ingrediente.insert({'1': 'CAMARON'},
...
    {'2': 'PESCADO'},
    {'3': 'SUSHI'},
    {'4': 'SANDIA'},
    {'5': 'PERA'},
    {'6': 'CHILE PIQUIN'},
    {'7': 'LIMON'},
    {'8': 'CHOCOLATE'},
    {'9': 'PILLOMCHILLO'},
    {'10': 'OREGANO'},
    {'11': 'CHEDDAR'},
    {'12': 'CREMA Y ESPECIAS'},
    {'13': 'FLAMIN HOT'},
    {'14': 'FUEGO'},
    {'15': 'HABANERO'},
WriteResult({ "nInserted" : 1 })
> db.marca.insert({'1': 'Sabritas'},
...
    {'2': 'Barcel'},
    {'3': 'Bokados'},
    {'4': 'Lays'},
    {'5': 'Pringles'},
    {'6': 'Botanas Julymoy'},
    {'7': 'Cape Cod'},
    {'8': 'Chips Sal Barcel'},
    {'9': 'Granny Goose'},
    {'10': 'Great Value'},
    {'11': 'Kettle'},
    {'12': 'Sol'},
    {'13': 'Santo Gallo'},
    {'14': 'Papas Lecaroz'},
    {'15': 'Valley Foods'},
WriteResult({ "nInserted" : 1 })
> db.ingrediente.drop()
true

Simbolo del sistema
Microsoft Windows [Versión 10.0.19044.1766]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\acer>cd C:\Users\acer\Desktop

C:\Users\acer\Desktop>mongodump --db sabritas
2022-06-19T02:26:45.523-0700 writing sabritas.cantidad to dump\sabritas\cantidad.bson
2022-06-19T02:26:45.742-0700 done dumping sabritas.cantidad (1 document)
2022-06-19T02:26:45.835-0700 writing sabritas.ingrediente to dump\sabritas\ingrediente.bson
2022-06-19T02:26:45.835-0700 writing sabritas.marca to dump\sabritas\marca.bson
2022-06-19T02:26:45.836-0700 done dumping sabritas.ingrediente (1 document)
2022-06-19T02:26:45.836-0700 done dumping sabritas.marca (1 document)

C:\Users\acer\Desktop>

```

Eliminamos una colección de la base de datos.

```

Simbolo del sistema - mongo
> use sabritas
switched to db sabritas
> db.cantidad.insert({'1': '5000'},
...
    {'2': '1952'},
    {'3': '29829'},
    {'4': '2982929'},
    {'5': '51981'},
    {'6': '21542'},
    {'7': '895181'},
    {'8': '18918'},
    {'9': '181414523'},
    {'10': '34524524523'},
    {'11': '23545235'},
    {'12': '2345345325'},
    {'13': '32454235'},
    {'14': '234545235'},
    {'15': '23545235'},
WriteResult({ "nInserted" : 1 })
> db.ingrediente.insert({'1': 'CAMARON'},
...
    {'2': 'PESCADO'},
    {'3': 'SUSHI'},
    {'4': 'SANDIA'},
    {'5': 'PERA'},
    {'6': 'CHILE PIQUIN'},
    {'7': 'LIMON'},
    {'8': 'CHOCOLATE'},
    {'9': 'PILLOMCHILLO'},
    {'10': 'OREGANO'},
    {'11': 'CHEDDAR'},
    {'12': 'CREMA Y ESPECIAS'},
    {'13': 'FLAMIN HOT'},
    {'14': 'FUEGO'},
    {'15': 'HABANERO'},
WriteResult({ "nInserted" : 1 })
> db.marca.insert({'1': 'Sabritas'},
...
    {'2': 'Barcel'},
    {'3': 'Bokados'},
    {'4': 'Lays'},
    {'5': 'Pringles'},
    {'6': 'Botanas Julymoy'},
    {'7': 'Cape Cod'},
    {'8': 'Chips Sal Barcel'},
    {'9': 'Granny Goose'},
    {'10': 'Great Value'},
    {'11': 'Kettle'},
    {'12': 'Sol'},
    {'13': 'Santo Gallo'},
    {'14': 'Papas Lecaroz'},
    {'15': 'Valley Foods'},
WriteResult({ "nInserted" : 1 })
> db.ingrediente.drop()
true

Simbolo del sistema
Microsoft Windows [Versión 10.0.19044.1766]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\acer>cd C:\Users\acer\Desktop

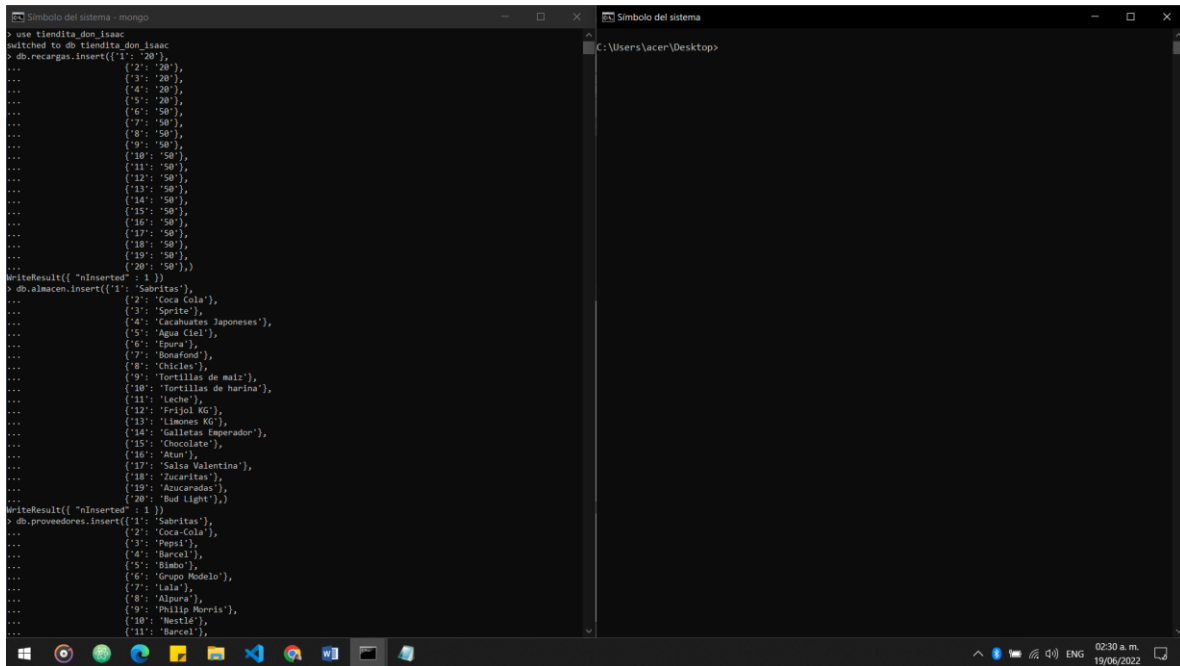
C:\Users\acer\Desktop>mongodump --db sabritas
2022-06-19T02:26:45.523-0700 writing sabritas.cantidad to dump\sabritas\cantidad.bson
2022-06-19T02:26:45.742-0700 done dumping sabritas.cantidad (1 document)
2022-06-19T02:26:45.835-0700 writing sabritas.ingrediente to dump\sabritas\ingrediente.bson
2022-06-19T02:26:45.835-0700 writing sabritas.marca to dump\sabritas\marca.bson
2022-06-19T02:26:45.836-0700 done dumping sabritas.ingrediente (1 document)
2022-06-19T02:26:45.836-0700 done dumping sabritas.marca (1 document)

C:\Users\acer\Desktop>mongorestore --db sabritas --collection ingrediente dump\sabritas\ingrediente.bson
2022-06-19T02:27:59.200-0700 checking for collection data in dump\sabritas\ingrediente.bson
2022-06-19T02:27:59.350-0700 reading metadata for sabritas.ingrediente from dump\sabritas\ingrediente.metadata.json
2022-06-19T02:27:59.369-0700 restoring sabritas.ingrediente from dump\sabritas\ingrediente.bson
2022-06-19T02:27:59.432-0700 finished restoring sabritas.ingrediente (1 document, 0 failures)
2022-06-19T02:27:59.432-0700 no indexes to restore for collection sabritas.ingrediente
2022-06-19T02:27:59.432-0700 1 document(s) restored successfully, 0 document(s) failed to restore.

C:\Users\acer\Desktop>

```

De la copia de seguridad que realizamos restauraremos los datos para la colección que acabamos de borrar.

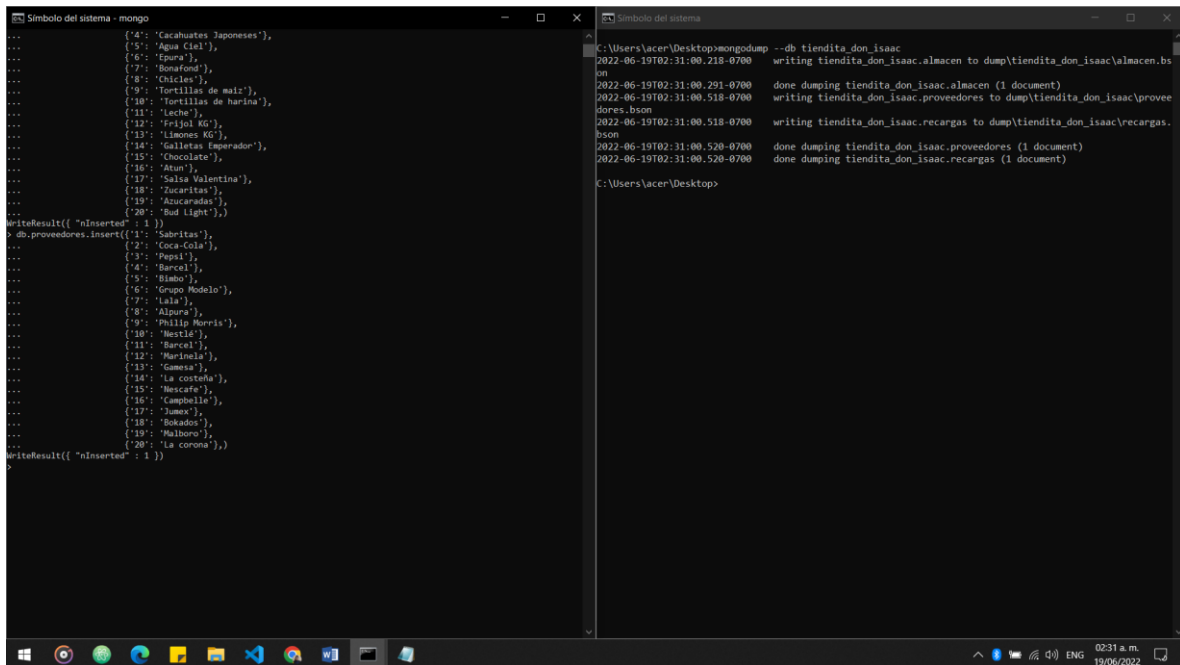


```

> use tiendita_don_isaac
switched to db tiendita_don_isaac
> db.recargas.insert([{"1": "20"},
...
{"21": "20"},
...
{"31": "20"},
...
{"41": "20"},
...
{"51": "20"},
...
{"61": "50"},
...
{"71": "50"},
...
{"81": "50"},
...
{"91": "50"},
...
{"101": "50"},
...
{"111": "50"},
...
{"121": "50"},
...
{"131": "50"},
...
{"141": "50"},
...
{"151": "50"},
...
{"161": "50"},
...
{"171": "50"},
...
{"181": "50"},
...
{"191": "50"},
...
{"201": "50"},
...
WriteResult("nInserted" : 1)
> db.almacen.insert([{"1": "Sabritas"},
...
{"2": "Coca Cola"},
...
{"3": "Sprite"},
...
{"4": "Cacahuates Japoneses"},
...
{"5": "Agua Ciel"},
...
{"6": "Epura"},
...
{"7": "Bonafond"},
...
{"8": "Chicles"},
...
{"9": "Tortillas de maiz"},
...
{"10": "Tortillas de harina"},
...
{"11": "Leche"},
...
{"12": "Frijol KG"},
...
{"13": "Limones KG"},
...
{"14": "Galletas Emperador"},
...
{"15": "Chocolate"},
...
{"16": "Atun"},
...
{"17": "Salsa Valentina"},
...
{"18": "Zucaritas"},
...
{"19": "Azucaradas"},
...
{"20": "Bud Light"},
...
WriteResult("nInserted" : 1)
> db.proveedores.insert([{"1": "Sabritas"},
...
{"2": "Coca-Cola"},
...
{"3": "Pepsi"},
...
{"4": "Barcel"},
...
{"5": "Bimbo"},
...
{"6": "Grupo Modelo"},
...
{"7": "Lala"},
...
{"8": "Alpura"},
...
{"9": "Philip Morris"},
...
{"10": "Mestle"},
...
{"11": "Barcel"},
...
WriteResult("nInserted" : 1)

```

Para el siguiente ejemplo crearemos una base de datos llamada 'tiendita_don_isaac'.



```

...
{"14": "Cacahuates Japoneses"},
...
{"15": "Agua Ciel"},
...
{"16": "Epura"},
...
{"17": "Bonafond"},
...
{"18": "Chicles"},
...
{"19": "Tortillas de maiz"},
...
{"20": "Tortillas de harina"},
...
{"21": "Leche"},
...
{"22": "Frijol KG"},
...
{"23": "Limones KG"},
...
{"24": "Galletas Emperador"},
...
{"25": "Chocolate"},
...
{"26": "Atun"},
...
{"27": "Salsa Valentina"},
...
{"28": "Zucaritas"},
...
{"29": "Azucaradas"},
...
{"30": "Bud Light"},
...
WriteResult("nInserted" : 1)
> db.proveedores.insert([{"1": "Sabritas"},
...
{"2": "Coca-Cola"},
...
{"3": "Pepsi"},
...
{"4": "Barcel"},
...
{"5": "Bimbo"},
...
{"6": "Grupo Modelo"},
...
{"7": "Lala"},
...
{"8": "Alpura"},
...
{"9": "Philip Morris"},
...
{"10": "Mestle"},
...
{"11": "Barcel"},
...
{"12": "Marinela"},
...
{"13": "Gimex"},
...
{"14": "La costera"},
...
{"15": "Mescapa"},
...
{"16": "Campbelle"},
...
{"17": "Jumex"},
...
{"18": "Bokados"},
...
{"19": "Balbora"},
...
{"20": "La corona"},
...
WriteResult("nInserted" : 1)
>

```

```

C:\Users\acer\Desktop> mongodump --db tiendita_don_isaac
2022-06-19T02:31:00.218-0700 writing tiendita_don_isaac.almacen to dump\tiendita_don_isaac\almacen.bson
2022-06-19T02:31:00.291-0700 done dumping tiendita_don_isaac.almacen (1 document)
2022-06-19T02:31:00.518-0700 writing tiendita_don_isaac.proveedores to dump\tiendita_don_isaac\proveedores.bson
2022-06-19T02:31:00.518-0700 done dumping tiendita_don_isaac.proveedores (1 document)
2022-06-19T02:31:00.528-0700 done dumping tiendita_don_isaac (1 document)

```

Crearemos una copia de seguridad de la base de datos completa.

```

Simbolo del sistema - mongo
...
{ "4": "Cacahuates Japoneses",
  "5": "Agua Ciel",
  "6": "Epura",
  "7": "Bonafond",
  "8": "Chicles",
  "9": "Tortillas de maiz",
  "10": "Tortillas de harina",
  "11": "Leche",
  "12": "Frijol KG",
  "13": "Limones KG",
  "14": "Galletas Emperador",
  "15": "Chocolate",
  "16": "Atun",
  "17": "Salsa Valentina",
  "18": "Zucaritas",
  "19": "Azucares",
  "20": "Bud Light" },
WriteResult({ "nInserted" : 1 })
> db.proveedores.insert([{"1": "Sabritas",
  "2": "Coca-Cola",
  "3": "Pepsi",
  "4": "Barcel",
  "5": "Bimbo",
  "6": "Grupo Modelo",
  "7": "Lala",
  "8": "Alpura",
  "9": "Philip Morris",
  "10": "Nestle",
  "11": "Barcel",
  "12": "Marinela",
  "13": "Ganosa",
  "14": "La costeña",
  "15": "Mescafe",
  "16": "Campbell",
  "17": "Jumex",
  "18": "Bokador",
  "19": "Malboro",
  "20": "La corona"}],
WriteResult({ "nInserted" : 1 })
> db.dropDatabase()
{ "ok" : 1 }

Simbolo del sistema
C:\Users\acer\Desktop>mongodump --db tiendita_don_isaac
2022-06-19T02:31:00.218-0700 writing tiendita_don_isaac.almacen to dump\tiendita_don_isaac\almacen.bson
2022-06-19T02:31:00.291-0700 done dumping tiendita_don_isaac.almacen (1 document)
2022-06-19T02:31:00.518-0700 writing tiendita_don_isaac.proveedores to dump\tiendita_don_isaac\proveedores.bson
2022-06-19T02:31:00.518-0700 writing tiendita_don_isaac.recargas to dump\tiendita_don_isaac\recargas.bson
2022-06-19T02:31:00.520-0700 done dumping tiendita_don_isaac.proveedores (1 document)
2022-06-19T02:31:00.520-0700 done dumping tiendita_don_isaac.recargas (1 document)
C:\Users\acer\Desktop>

```

Procederemos a borrar la base de datos.

```

Simbolo del sistema - mongo
...
{ "4": "Cacahuates Japoneses",
  "5": "Agua Ciel",
  "6": "Epura",
  "7": "Bonafond",
  "8": "Chicles",
  "9": "Tortillas de maiz",
  "10": "Tortillas de harina",
  "11": "Leche",
  "12": "Frijol KG",
  "13": "Limones KG",
  "14": "Galletas Emperador",
  "15": "Chocolate",
  "16": "Atun",
  "17": "Salsa Valentina",
  "18": "Zucaritas",
  "19": "Azucares",
  "20": "Bud Light" },
WriteResult({ "nInserted" : 1 })
> db.proveedores.insert([{"1": "Sabritas",
  "2": "Coca-Cola",
  "3": "Pepsi",
  "4": "Barcel",
  "5": "Bimbo",
  "6": "Grupo Modelo",
  "7": "Lala",
  "8": "Alpura",
  "9": "Philip Morris",
  "10": "Nestle",
  "11": "Barcel",
  "12": "Marinela",
  "13": "Ganosa",
  "14": "La costeña",
  "15": "Mescafe",
  "16": "Campbell",
  "17": "Jumex",
  "18": "Bokador",
  "19": "Malboro",
  "20": "La corona"}],
WriteResult({ "nInserted" : 1 })
> db.dropDatabase()
{ "ok" : 1 }

Simbolo del sistema
C:\Users\acer\Desktop>mongorestore --db tiendita_don_isaac dump\tiendita_don_isaac
2022-06-19T02:32:26.368-0700 The --db and --collection flags are deprecated for this use-case; please use --nsinclude instead, i.e. with --nsinclude=$($DATABASE).$(COLLECTION)
2022-06-19T02:32:26.432-0700 building a list of collections to restore from dump\tiendita_don_isaac
2022-06-19T02:32:26.433-0700 reading metadata for tiendita_don_isaac.almacen from dump\tiendita_don_isaac\almacen.metadata.json
2022-06-19T02:32:26.433-0700 reading metadata for tiendita_don_isaac.proveedores from dump\tiendita_don_isaac\proveedores.metadata.json
2022-06-19T02:32:26.433-0700 reading metadata for tiendita_don_isaac.recargas from dump\tiendita_don_isaac\recargas.metadata.json
2022-06-19T02:32:26.748-0700 restoring tiendita_don_isaac.almacen from dump\tiendita_don_isaac\almacen.bson
2022-06-19T02:32:26.766-0700 restoring tiendita_don_isaac.proveedores from dump\tiendita_don_isaac\proveedores.bson
2022-06-19T02:32:26.771-0700 restoring tiendita_don_isaac.recargas from dump\tiendita_don_isaac\recargas.bson
2022-06-19T02:32:26.777-0700 finished restoring tiendita_don_isaac.proveedores (1 document, 0 failures)
2022-06-19T02:32:26.793-0700 finished restoring tiendita_don_isaac.almacen (1 document, 0 failures)
2022-06-19T02:32:27.065-0700 no indexes to restore for collection tiendita_don_isaac.almacen
2022-06-19T02:32:27.066-0700 no indexes to restore for collection tiendita_don_isaac.proveedores
2022-06-19T02:32:27.066-0700 no indexes to restore for collection tiendita_don_isaac.recargas
2022-06-19T02:32:27.066-0700 3 document(s) restored successfully. 0 document(s) failed to restore.
C:\Users\acer\Desktop>

```

Con la copia de seguridad que realizamos restauraremos la base de datos para terminar.

```

> use taller
switched to db taller
> db.especialidad.insert({'1': 'Muebles'},
...
{'2': 'Mecanica'},
...
{'3': 'Informatica'},
...
{'4': 'Ofimatica'},
...
{'5': 'Contaduria'},
...
{'6': 'Costura'},
...
{'7': 'Diseño'},
...
{'8': 'Cortes de pelos'},
...
{'9': 'Buceo'},
...
{'10': 'Futbol'},
...
{'11': 'Musica'},
...
{'12': 'Pintura'},
...
{'13': 'Quimica'},
...
{'14': 'Matematicas'},
...
{'15': 'Fisica'},
...
{'16': 'Comunicacion'},
...
{'17': 'Humanidades'},
...
{'18': 'Derecho'},
...
WriteResult({ "nInserted" : 1 })
> db.trabajadores.insert({'1': 'Pedro Colomer'},
...
{'2': 'Dylan de Diego'},
...
{'3': 'Pedro Exposito'},
...
{'4': 'Ezequiel Puente'},
...
{'5': 'Melalen Matas'},
...
{'6': 'Benigno Barrera'},
...
{'7': 'Lucio Casals'},
...
{'8': 'Unai Costa'},
...
{'9': 'Melania Figueras'},
...
{'10': 'Lluis Labrador'},
...
{'11': 'Jennifer Rueda'},
...
{'12': 'Feliciano Almeida'},
...
{'13': 'Aranza Morillo'},
...
{'14': 'Vanessa Aguilera'},
...
{'15': 'Iola Gallardo'},
...
{'16': 'Nagore Santana'},
...
{'17': 'Biel Blasco'},
...
{'18': 'Isabel Bosch'},
...
WriteResult({ "nInserted" : 1 })
> db.materiales.insert({'1': 'Libros'},
...
{'2': 'Lápices'},
...
{'3': 'Plumas'},
...
{'4': 'Computadoras'},
...
{'5': 'Hojas milimetricas'},
...
{'6': 'Tubos de muestra'},
...
{'7': 'Calculadora'},
...
{'8': 'Cortadora de pelo'},
...
{'9': 'Traje de buceo'},
...
{'10': 'Tanque de oxigeno'},
...
{'11': 'Tableta grafica'},
...
{'12': 'Escritorio'},
...
{'13': 'Maletín'},
...
{'14': 'Bata'},
...
{'15': 'Overol'},
...

```

Para el tercer ejemplo comenzaremos creando nuestra base de datos 'taller'.

```

> use taller
switched to db taller
> db.especialidad.insert({'1': 'Muebles'},
...
{'2': 'Mecanica'},
...
{'3': 'Informatica'},
...
{'4': 'Ofimatica'},
...
{'5': 'Contaduria'},
...
{'6': 'Costura'},
...
{'7': 'Diseño'},
...
{'8': 'Cortes de pelos'},
...
{'9': 'Buceo'},
...
{'10': 'Futbol'},
...
{'11': 'Musica'},
...
{'12': 'Pintura'},
...
{'13': 'Quimica'},
...
{'14': 'Matematicas'},
...
{'15': 'Fisica'},
...
{'16': 'Comunicacion'},
...
{'17': 'Humanidades'},
...
{'18': 'Derecho'},
...
WriteResult({ "nInserted" : 1 })
> db.trabajadores.insert({'1': 'Pedro Colomer'},
...
{'2': 'Dylan de Diego'},
...
{'3': 'Pedro Exposito'},
...
{'4': 'Ezequiel Puente'},
...
{'5': 'Melalen Matas'},
...
{'6': 'Benigno Barrera'},
...
{'7': 'Lucio Casals'},
...
{'8': 'Unai Costa'},
...
{'9': 'Melania Figueras'},
...
{'10': 'Lluis Labrador'},
...
{'11': 'Jennifer Rueda'},
...
{'12': 'Feliciano Almeida'},
...
{'13': 'Aranza Morillo'},
...
{'14': 'Vanessa Aguilera'},
...
{'15': 'Iola Gallardo'},
...
{'16': 'Nagore Santana'},
...
{'17': 'Biel Blasco'},
...
{'18': 'Isabel Bosch'},
...
WriteResult({ "nInserted" : 1 })
> db.materiales.insert({'1': 'Libros'},
...
{'2': 'Lápices'},
...
{'3': 'Plumas'},
...
{'4': 'Computadoras'},
...
{'5': 'Hojas milimetricas'},
...
{'6': 'Tubos de muestra'},
...
{'7': 'Calculadora'},
...
{'8': 'Cortadora de pelo'},
...
{'9': 'Traje de buceo'},
...
{'10': 'Tanque de oxigeno'},
...
{'11': 'Tableta grafica'},
...
{'12': 'Escritorio'},
...
{'13': 'Maletín'},
...
{'14': 'Bata'},
...
{'15': 'Overol'},
...

```

```

C:\Users\acer\Desktop> mongodump --db taller
2022-06-19T02:35:05.872-0700 writing taller.especialidad to dump\taller\especialidad.bson
2022-06-19T02:35:05.953-0700 done dumping taller.especialidad (1 document)
2022-06-19T02:35:06.184-0700 writing taller.trabajadores to dump\taller\trabajadores.bson
2022-06-19T02:35:06.184-0700 done dumping taller.trabajadores (1 document)
2022-06-19T02:35:06.186-0700 writing taller.materiales to dump\taller\materiales.bson
2022-06-19T02:35:06.186-0700 done dumping taller.materiales (1 document)

```

Crearemos la copia de seguridad de la base de datos.

```

Simbolo del sistema - mongo
...
{ '9': 'Melania Figueras',
  '10': 'Lluis Labrador',
  '11': 'Jennifer Rueda',
  '12': 'Feliciano Almeida',
  '13': 'Aranza Morillo',
  '14': 'Vanessa Aguilera',
  '15': 'Isabel Bosch',
  '16': 'Nagore Santana',
  '17': 'Biel Blasco',
  '18': 'Isabel Bosch' },
WriteResult({ "nInserted" : 1 })
> db.materiales.insert([
  { '1': 'Libros',
    '2': 'Lapices',
    '3': 'Plumas',
    '4': 'Computadoras',
    '5': 'Hojas milimetricas',
    '6': 'Tubos de muestra',
    '7': 'Calculadora',
    '8': 'Cortadora de pelo',
    '9': 'Traje de buceo',
    '10': 'Tanque de oxigeno',
    '11': 'Tableta grafica',
    '12': 'Escritorio',
    '13': 'Maletin',
    '14': 'Bata',
    '15': 'Overol',
    '16': 'Botas',
    '17': 'Abaco',
    '18': 'Microfono' },
WriteResult({ "nInserted" : 1 })
> db.dropDatabase()
{ "ok" : 1 }
>
Simbolo del sistema
C:\Users\acer\Desktop>mongodump --db taller
2022-06-19T02:35:05.872-0700 writing taller.especialidad to dump\taller\especialidad.bson
2022-06-19T02:35:05.953-0700 done dumping taller.especialidad (1 document)
2022-06-19T02:35:06.184-0700 writing taller.trabajadores to dump\taller\trabajadores.bson
2022-06-19T02:35:06.184-0700 writing taller.materiales to dump\taller\materiales.bson
2022-06-19T02:35:06.186-0700 done dumping taller.trabajadores (1 document)
2022-06-19T02:35:06.186-0700 done dumping taller.materiales (1 document)
C:\Users\acer\Desktop>

```

Procederemos a borrar la base de datos.

```

Simbolo del sistema - mongo
...
{ '9': 'Melania Figueras',
  '10': 'Lluis Labrador',
  '11': 'Jennifer Rueda',
  '12': 'Feliciano Almeida',
  '13': 'Aranza Morillo',
  '14': 'Vanessa Aguilera',
  '15': 'Isabel Bosch',
  '16': 'Nagore Santana',
  '17': 'Biel Blasco',
  '18': 'Isabel Bosch' },
WriteResult({ "nInserted" : 1 })
> db.materiales.insert([
  { '1': 'Libros',
    '2': 'Lapices',
    '3': 'Plumas',
    '4': 'Computadoras',
    '5': 'Hojas milimetricas',
    '6': 'Tubos de muestra',
    '7': 'Calculadora',
    '8': 'Cortadora de pelo',
    '9': 'Traje de buceo',
    '10': 'Tanque de oxigeno',
    '11': 'Tableta grafica',
    '12': 'Escritorio',
    '13': 'Maletin',
    '14': 'Bata',
    '15': 'Overol',
    '16': 'Botas',
    '17': 'Abaco',
    '18': 'Microfono' },
WriteResult({ "nInserted" : 1 })
> db.dropDatabase()
{ "ok" : 1 }
> db.materiales.drop()
true
>
Simbolo del sistema
C:\Users\acer\Desktop>mongorestore --db taller dump\taller
2022-06-19T02:35:48.271-0700 The --db and --collection flags are deprecated for this use-case; please use --nsinclude instead, i.e. with --nsinclude=${DATABASE}.${COLLECTION}
2022-06-19T02:35:48.241-0700 building a list of collections to restore from dump\taller dir
2022-06-19T02:35:48.342-0700 reading metadata for taller.especialidad from dump\taller\especialidad.metadata.json
2022-06-19T02:35:48.342-0700 reading metadata for taller.materiales from dump\taller\materiales.metadata.json
2022-06-19T02:35:48.657-0700 restoring taller.especialidad from dump\taller\especialidad.bson
2022-06-19T02:35:48.678-0700 finished restoring taller.especialidad (1 document, 0 failures)
2022-06-19T02:35:48.673-0700 restoring taller.trabajadores from dump\taller\trabajadores.bson
2022-06-19T02:35:48.679-0700 restoring taller.materiales from dump\taller\materiales.bson
2022-06-19T02:35:48.685-0700 finished restoring taller.trabajadores (1 document, 0 failures)
2022-06-19T02:35:48.700-0700 finished restoring taller.materiales (1 document, 0 failures)
2022-06-19T02:35:48.700-0700 no indexes to restore for collection taller.trabajadores
2022-06-19T02:35:48.701-0700 no indexes to restore for collection taller.especialidad
2022-06-19T02:35:48.701-0700 no indexes to restore for collection taller.materiales
2022-06-19T02:35:48.701-0700 3 document(s) restored successfully. 0 document(s) failed to restore.
C:\Users\acer\Desktop>

```

Restauraremos la base de datos con la copia que realizamos.

Después de esto borraremos una colección.

```

Simbolo del sistema - mongo
...
{10: 'Luis Labrador'},
{11: 'Jennifer Rueda'},
{12: 'Feliciano Almeida'},
{13: 'Aranza Morillo'},
{14: 'Vanessa Aguilera'},
{15: 'Lola Galindo'},
{16: 'Magore Santana'},
{17: 'Blas Alasco'},
{18: 'Isabel Bosch'},
WriteResult({ "nInserted" : 1 })
> db.materiales.insert({
...
{12: 'Lapices'},
{13: 'Plumas'},
{14: 'Computadoras'},
{15: 'Hojas milimetricas'},
{16: 'Tubos de muestra'},
{17: 'Calculadora'},
{18: 'Cortadora de pelo'},
{19: 'Traje de buceo'},
{20: 'Tanque de oxigeno'},
{21: 'Tableta grafica'},
{22: 'Escritorio'},
{23: 'Maletin'},
{24: 'Bata'},
{25: 'Oversol'},
{26: 'Botas'},
{27: 'Abaco'},
{28: 'Microfono'},
WriteResult({ "nInserted" : 1 })
> db.dropDatabase()
{ok : 1}
> db.materiales.drop()
true
>

Simbolo del sistema
C:\Users\acer\Desktop>mongodump --db taller
2022-06-19T02:35:05.072-0700 writing taller.especialidad to dump\taller\especialidad.bson
2022-06-19T02:35:05.093-0700 done dumping taller.especialidad (1 document)
2022-06-19T02:35:06.184-0700 writing taller.trabajadores to dump\taller\trabajadores.bson
2022-06-19T02:35:06.184-0700 writing taller.materiales to dump\taller\materiales.bson
2022-06-19T02:35:06.186-0700 done dumping taller.trabajadores (1 document)
2022-06-19T02:35:06.186-0700 done dumping taller.materiales (1 document)

C:\Users\acer\Desktop>mongorestore --db taller dump/taller
2022-06-19T02:35:48.271-0700 The --db and --collection flags are deprecated for this use-case; please
use --includeDatabase instead, i.e. with --include=$DATABASE.$COLLECTION
2022-06-19T02:35:48.341-0700 building a list of collections to restore from dump\taller dir
2022-06-19T02:35:48.342-0700 reading metadata for taller.especialidad from dump\taller\especialidad.m
etadatos.json
2022-06-19T02:35:48.342-0700 reading metadata for taller.materiales from dump\taller\materiales.m
etadatos.json
2022-06-19T02:35:48.342-0700 reading metadata for taller.trabajadores from dump\taller\trabajadores.m
etadatos.json
2022-06-19T02:35:48.657-0700 restoring taller.especialidad from dump\taller\especialidad.bson
2022-06-19T02:35:48.670-0700 finished restoring taller.especialidad (1 document, 0 failures)
2022-06-19T02:35:48.673-0700 restoring taller.trabajadores from dump\taller\trabajadores.bson
2022-06-19T02:35:48.679-0700 restoring taller.materiales from dump\taller\materiales.bson
2022-06-19T02:35:48.685-0700 finished restoring taller.trabajadores (1 document, 0 failures)
2022-06-19T02:35:48.700-0700 finished restoring taller.materiales (1 document, 0 failures)
2022-06-19T02:35:48.700-0700 no indexes to restore for collection taller.trabajadores
2022-06-19T02:35:48.701-0700 no indexes to restore for collection taller.especialidad
2022-06-19T02:35:48.701-0700 no indexes to restore for collection taller.materiales
2022-06-19T02:35:48.701-0700 3 document(s) restored successfully. 0 document(s) failed to restore.

C:\Users\acer\Desktop>mongorestore --db taller --collection materiales dump\taller\materiales.bson
2022-06-19T02:36:22.280-0700 checking for collection data in dump\taller\materiales.bson
2022-06-19T02:36:22.348-0700 reading metadata for taller.materiales from dump\taller\materiales.m
etadatos.json
2022-06-19T02:36:22.363-0700 restoring taller.materiales from dump\taller\materiales.bson
2022-06-19T02:36:22.431-0700 finished restoring taller.materiales (1 document, 0 failures)
2022-06-19T02:36:22.431-0700 no indexes to restore for collection taller.materiales
2022-06-19T02:36:22.432-0700 1 document(s) restored successfully. 0 document(s) failed to restore.

C:\Users\acer\Desktop>

```

Para terminar, restauraremos la colección que hemos borrado.

```

Simbolo del sistema - mongo
> use oficina
switched to db oficina
> db.departamentos.insert({1: 'HR'},
...
{2: 'QA'},
{3: 'VENTAS'},
{4: 'MARKETING'},
{5: 'COMPRAS'},
{6: 'ALMACEN'},
{7: 'PRODUCCION'},
{8: 'PLANEACION'},
{9: 'ADUANAS'},
{10: 'VINCULACION'},
WriteResult({ "nInserted" : 1 })
> db.papeleria.insert({1: 'BORRADORES'},
...
{2: 'HOJAS DE PAPEL'},
{3: 'TINTA PARA IMPRESORA'},
{4: 'THERMAS'},
{5: 'BORRADOR'},
{6: 'CORRECTOR'},
{7: 'ENGRAPOADORA'},
{8: 'FOLDER'},
{9: 'SOBRE'},
{10: 'CLIPS'},
WriteResult({ "nInserted" : 1 })
> db.empleados.insert({1: 'Pedro Colomer'},
...
{2: 'Dylan de Diego'},
{3: 'Pedro Exposito'},
{4: 'Ezequiel Puente'},
{5: 'Melian Humes'},
{6: 'Benigno Barrera'},
{7: 'Lucio Casals'},
{8: 'Uziel Costa'},
{9: 'Melania Figueras'},
{10: 'Luis Labrador'},
WriteResult({ "nInserted" : 1 })
>

Simbolo del sistema
C:\Users\acer\Desktop>

```

Para nuestro último ejemplo crearemos una base de datos llamada 'oficina'.


```

> use oficina
switched to db oficina
> db.departamentos.insert([{"1": "HR"},
...
{"2": "QA"},
...
{"3": "VENTAS"},
...
{"4": "MARKETING"},
...
{"5": "COMPRAS"},
...
{"6": "ALMACEN"},
...
{"7": "PRODUCCION"},
...
{"8": "PLANEACION"},
...
{"9": "ADUANAS"},
...
{"10": "VINCULACION"}],)
WriteResult({ "nInserted" : 1 })
> db.papeleria.insert([{"1": "BORRADORES"},
...
{"2": "HOJAS DE PAPEL"},
...
{"3": "TINTA PARA IMPRESORA"},
...
{"4": "TIJERAS"},
...
{"5": "BORRADOR"},
...
{"6": "CORRECTOR"},
...
{"7": "ENGRAPADORA"},
...
{"8": "FOLDER"},
...
{"9": "SOBRE"},
...
{"10": "CLIPS"}],)
WriteResult({ "nInserted" : 1 })
> db.empleados.insert([{"1": "Pedro Colomer"},
...
{"2": "Dylan de Diego"},
...
{"3": "Pedro Exposito"},
...
{"4": "Ezequiel Puente"},
...
{"5": "Melaien Humes"},
...
{"6": "Benigno Barrera"},
...
{"7": "Lucio Casals"},
...
{"8": "Umai Consta"},
...
{"9": "Melania Figueras"},
...
{"10": "Luis Labrador"}],)
WriteResult({ "nInserted" : 1 })
>
> db.dropDatabase()
{ "ok" : 1 }
>

C:\Users\acer\Desktop>mongodump --db oficina
2022-06-19T02:39:25.229-0700 writing oficina.papeleria to dump\oficina\papeleria.bson
2022-06-19T02:39:25.302-0700 done dumping oficina.papeleria (1 document)
2022-06-19T02:39:25.534-0700 writing oficina.empleados to dump\oficina\empleados.bson
2022-06-19T02:39:25.535-0700 writing oficina.departamentos to dump\oficina\departamentos.bson
2022-06-19T02:39:25.536-0700 done dumping oficina.empleados (1 document)
2022-06-19T02:39:25.537-0700 done dumping oficina.departamentos (1 document)
C:\Users\acer\Desktop>

```

Crearemos la copia de seguridad de las colecciones creadas.

```

> use oficina
switched to db oficina
> db.departamentos.insert([{"1": "HR"},
...
{"2": "QA"},
...
{"3": "VENTAS"},
...
{"4": "MARKETING"},
...
{"5": "COMPRAS"},
...
{"6": "ALMACEN"},
...
{"7": "PRODUCCION"},
...
{"8": "PLANEACION"},
...
{"9": "ADUANAS"},
...
{"10": "VINCULACION"}],)
WriteResult({ "nInserted" : 1 })
> db.papeleria.insert([{"1": "BORRADORES"},
...
{"2": "HOJAS DE PAPEL"},
...
{"3": "TINTA PARA IMPRESORA"},
...
{"4": "TIJERAS"},
...
{"5": "BORRADOR"},
...
{"6": "CORRECTOR"},
...
{"7": "ENGRAPADORA"},
...
{"8": "FOLDER"},
...
{"9": "SOBRE"},
...
{"10": "CLIPS"}],)
WriteResult({ "nInserted" : 1 })
> db.empleados.insert([{"1": "Pedro Colomer"},
...
{"2": "Dylan de Diego"},
...
{"3": "Pedro Exposito"},
...
{"4": "Ezequiel Puente"},
...
{"5": "Melaien Humes"},
...
{"6": "Benigno Barrera"},
...
{"7": "Lucio Casals"},
...
{"8": "Umai Consta"},
...
{"9": "Melania Figueras"},
...
{"10": "Luis Labrador"}],)
WriteResult({ "nInserted" : 1 })
> db.dropDatabase()
{ "ok" : 1 }
>

C:\Users\acer\Desktop>mongodump --db oficina
2022-06-19T02:39:25.229-0700 writing oficina.papeleria to dump\oficina\papeleria.bson
2022-06-19T02:39:25.302-0700 done dumping oficina.papeleria (1 document)
2022-06-19T02:39:25.534-0700 writing oficina.empleados to dump\oficina\empleados.bson
2022-06-19T02:39:25.535-0700 writing oficina.departamentos to dump\oficina\departamentos.bson
2022-06-19T02:39:25.536-0700 done dumping oficina.empleados (1 document)
2022-06-19T02:39:25.537-0700 done dumping oficina.departamentos (1 document)
C:\Users\acer\Desktop>

```

Borraremos completamente la base de datos.

```

Simbolo del sistema - mongo
> use oficina
switched to db oficina
> db.departamentos.insert({'1': 'HR'},
... {'2': 'QA'},
... {'3': 'VENTAS'},
... {'4': 'MARKETING'},
... {'5': 'COMPRAS'},
... {'6': 'ALMACEN'},
... {'7': 'PRODUCCION'},
... {'8': 'PLANIFICACION'},
... {'9': 'ADMNIST'},
... {'10': 'VINCULACION'})
WriteResult({ "nInserted" : 1 })
> db.papelaria.insert({'1': 'BORRADORES'},
... {'2': 'HOJAS DE PAPEL'},
... {'3': 'TINTA PARA IMPRESORA'},
... {'4': 'TIJERAS'},
... {'5': 'BORRADOR'},
... {'6': 'CORRECTOR'},
... {'7': 'ENGRAPADORA'},
... {'8': 'FOLDER'},
... {'9': 'SOBRE'},
... {'10': 'CLIP'})
WriteResult({ "nInserted" : 1 })
> db.empleados.insert({'1': 'Pedro Colomer'},
... {'2': 'Olym de Diego'},
... {'3': 'Pedro Exposito'},
... {'4': 'Ezequiel Puente'},
... {'5': 'Melaien Matas'},
... {'6': 'Benigno Barrera'},
... {'7': 'Lucio Casals'},
... {'8': 'Umai Conste'},
... {'9': 'Melania Figueras'},
... {'10': 'Lluis Labrador'})
WriteResult({ "nInserted" : 1 })
> db.dropDatabase()
{ "ok" : 1 }
>

Simbolo del sistema
C:\Users\acer\Desktop>mongodump --db oficina
2022-06-19T02:39:25.229-0700 writing oficina.papelaria to dump\oficina\papelaria.bson
2022-06-19T02:39:25.302-0700 done dumping oficina.papelaria (1 document)
2022-06-19T02:39:25.534-0700 writing oficina.empleados to dump\oficina\empleados.bson
2022-06-19T02:39:25.535-0700 writing oficina.departamentos to dump\oficina\departamentos.bson
2022-06-19T02:39:25.536-0700 done dumping oficina.empleados (1 document)
2022-06-19T02:39:25.537-0700 done dumping oficina.departamentos (1 document)

C:\Users\acer\Desktop>mongorestore --db oficina dump/oficina
2022-06-19T02:40:16.741-0700 The --db and --collection flags are deprecated for this use-case; please
use --include= instead, i.e. with --include=$DATABASE.$COLLECTION
2022-06-19T02:40:16.811-0700 building a list of collections to restore from dump\oficina dir
2022-06-19T02:40:16.811-0700 reading metadata for oficina.departamentos from dump\oficina\departament
os.metadata.json
2022-06-19T02:40:16.812-0700 reading metadata for oficina.empleados from dump\oficina\empleados.metad
ata.json
2022-06-19T02:40:16.812-0700 reading metadata for oficina.papelaria from dump\oficina\papelaria.metad
ata.json
2022-06-19T02:40:17.130-0700 restoring oficina.empleados from dump\oficina\empleados.bson
2022-06-19T02:40:17.148-0700 restoring oficina.papelaria from dump\oficina\papelaria.bson
2022-06-19T02:40:17.154-0700 restoring oficina.departamentos from dump\oficina\departamentos.bson
2022-06-19T02:40:17.159-0700 finished restoring oficina.papelaria (1 document, 0 failures)
2022-06-19T02:40:17.175-0700 finished restoring oficina.departamentos (1 document, 0 failures)
2022-06-19T02:40:17.448-0700 finished restoring oficina.empleados (1 document, 0 failures)
2022-06-19T02:40:17.448-0700 no indexes to restore for collection oficina.departamentos
2022-06-19T02:40:17.449-0700 no indexes to restore for collection oficina.empleados
2022-06-19T02:40:17.449-0700 no indexes to restore for collection oficina.papelaria
2022-06-19T02:40:17.449-0700 3 document(s) restored successfully. 0 document(s) failed to restore.

C:\Users\acer\Desktop>

```

Y para terminar restauraremos los datos de nuestra base de datos con la copia que realizamos.

Comandos utilizados para los ejemplos

-----PRACTICA 2-----

-----15 registros - copia de 1 colección-----

use sabritas

```

db.cantidad.insert({'1': '5000'},
                    {'2': '1952'},
                    {'3': '29829'},
                    {'4': '2982529'},
                    {'5': '51981'},
                    {'6': '21542'},
                    {'7': '895181'},
                    {'8': '18918'},
                    {'9': '181414523'},
                    {'10': '34524524523'},
                    {'11': '235523235'},
                    {'12': '2345345325'},
                    {'13': '32454235'},
                    {'14': '234545235'},
                    {'15': '23545235'},)

db.ingrediente.insert({'1': 'CAMARON'},
                      {'2': 'PESCADO'},
                      {'3': 'SUSHI'},
                      {'4': 'SANDIA'},
                      {'5': 'PERA'},
                      {'6': 'CHILE PIQUIN'},
                      {'7': 'LIMON'},
                      {'8': 'CHOCOLATE'},
                      {'9': 'PILLONCILLO'},
                      {'10': 'OREGANO'},
                      {'11': 'CHEDDAR'},
                      {'12': 'CREMA Y ESPECIAS'},
                      {'13': 'FLAMIN HOT'},
                      {'14': 'FUEGO'},
                      {'15': 'HABANERO'},)

db.marca.insert({'1': 'Sabritas'},
                 {'2': 'Barcel'},
                 {'3': 'Bokados'},
                 {'4': 'Lays'},
                 {'5': 'Pringles'},
                 {'6': 'Botanas Julymoy'},
                 {'7': 'Cape Cod'},)

```

```
{'8': 'Chips Sal Barcel'},
{'9': 'Granny Goose'},
{'10': 'Great Value'},
{'11': 'Kettle'},
{'12': 'Sol'},
{'13': 'Santo Gallo'},
{'14': 'Papas Lecaroz'},
{'15': 'Valley Foods'},)
```

```
cd C:\Users\acer\Desktop
```

```
mongodump --db sabritas
```

```
db.ingrediente.drop()
```

```
mongorestore --db sabritas --collection ingrediente
```

```
dump/sabritas/ingrediente.bson
```

```
-----20 registros - copia y recuperacion completa-----
```

```
use tiendita_don_isaac
```

```
db.recargas.insert({'1': '20'},
                    {'2': '20'},
                    {'3': '20'},
                    {'4': '20'},
                    {'5': '20'},
                    {'6': '50'},
                    {'7': '50'},
                    {'8': '50'},
                    {'9': '50'},
                    {'10': '50'},
                    {'11': '50'},
                    {'12': '50'},
                    {'13': '50'},
                    {'14': '50'},
                    {'15': '50'},
                    {'16': '50'},
                    {'17': '50'},
                    {'18': '50'},
                    {'19': '50'},
                    {'20': '50'},)

db.almacen.insert({'1': 'Sabritas'},
                  {'2': 'Coca Cola'},
                  {'3': 'Sprite'},
                  {'4': 'Cacahuates Japoneses'},
                  {'5': 'Agua Ciel'},)
```

```

        {'6': 'Epura'},
        {'7': 'Bonafond'},
        {'8': 'Chicles'},
        {'9': 'Tortillas de maiz'},
        {'10': 'Tortillas de harina'},
        {'11': 'Leche'},
        {'12': 'Frijol KG'},
        {'13': 'Limonas KG'},
        {'14': 'Galletas Emperador'},
        {'15': 'Chocolate'},
        {'16': 'Atun'},
        {'17': 'Salsa Valentina'},
        {'18': 'Zucaritas'},
        {'19': 'Azucaradas'},
        {'20': 'Bud Light'},)
db.proveedores.insert({'1': 'Sabritas'},
        {'2': 'Coca-Cola'},
        {'3': 'Pepsi'},
        {'4': 'Barcel'},
        {'5': 'Bimbo'},
        {'6': 'Grupo Modelo'},
        {'7': 'Lala'},
        {'8': 'Alpura'},
        {'9': 'Philip Morris'},
        {'10': 'Nestlé'},
        {'11': 'Barcel'},
        {'12': 'Marinela'},
        {'13': 'Gamesa'},
        {'14': 'La costeña'},
        {'15': 'Nescafe'},
        {'16': 'Campbelle'},
        {'17': 'Jumex'},
        {'18': 'Bokados'},
        {'19': 'Malboro'},
        {'20': 'La corona'},)

```

```
cd C:\Users\acer\Desktop
```

```
mongodump --db tiendita_don_isaac
```

```
db.dropDatabase()
```

```
mongorestore --db tiendita_don_isaac dump/tiendita_don_isaac
```

```
---18 registros - copia y recuperacion completa, restauracion de materiales----
```

```
use taller
```

```
db.especialidad.insert({'1': 'Muebles'},
                        {'2': 'Mecanica'},
                        {'3': 'Informatica'},
                        {'4': 'Ofimatica'},
                        {'5': 'Contaduria'},
                        {'6': 'Costura'},
                        {'7': 'Diseño'},
                        {'8': 'Cortes de pelos'},
                        {'9': 'Buceo'},
                        {'10': 'Futbol'},
                        {'11': 'Musica'},
                        {'12': 'Pintura'},
                        {'13': 'Quimica'},
                        {'14': 'Matematicas'},
                        {'15': 'Fisica'},
                        {'16': 'Comunicacion'},
                        {'17': 'Humanidades'},
                        {'18': 'Derecho'},)

db.trabajadores.insert({'1': 'Pedro Colomer'},
                        {'2': 'Dylan de Diego'},
                        {'3': 'Pedro Exposito'},
                        {'4': 'Ezequiel Puente'},
                        {'5': 'Maialen Mañas'},
                        {'6': 'Benigno Barrera'},
                        {'7': 'Lucio Casals'},
                        {'8': 'Unai Cuesta'},
                        {'9': 'Melania Figueras'},
                        {'10': 'Lluís Labrador'},
                        {'11': 'Jenifer Rueda'},
                        {'12': 'Feliciano Almeida'},
                        {'13': 'Arantza Morillo'},
                        {'14': 'Vanessa Aguilera'},
                        {'15': 'Lola Galindo'},
                        {'16': 'Nagore Santana'},
                        {'17': 'Biel Blasco'},
                        {'18': 'Isabel Bosch'},)

db.materiales.insert({'1': 'Libros'},
                      {'2': 'Lapices'},
                      {'3': 'Plumas'},
                      {'4': 'Computadoras'},)
```

```
{'5': 'Hojas milimetricas'},
{'6': 'Tubos de muestra'},
{'7': 'Calculadora'},
{'8': 'Cortadora de pelo'},
{'9': 'Traje de buceo'},
{'10': 'Tanque de oxigeno'},
{'11': 'Tableta grafica'},
{'12': 'Escritorio'},
{'13': 'Maletin'},
{'14': 'Bata'},
{'15': 'Overol'},
{'16': 'Botas'},
{'17': 'Abaco'},
{'18': 'Microfono'},)
```

```
cd C:\Users\acer\Desktop
```

```
mongodump --db taller
```

```
db.dropDatabase()
```

```
mongorestore --db taller dump/taller
```

```
db.materiales.drop()
```

```
mongorestore --db taller --collection materiales dump/taller/materiales.bson
```

```
-----10 registros - copia y recuperacion completa-----
```

```
use oficina
```

```
db.departamentos.insert({'1': 'HR'},
    {'2': 'QA'},
    {'3': 'VENTAS'},
    {'4': 'MARKETING'},
    {'5': 'COMPRAS'},
    {'6': 'ALMACEN'},
    {'7': 'PRODUCCION'},
    {'8': 'PLANEACION'},
    {'9': 'ADUANAS'},
    {'10': 'VINCULACION'},)
db.papeleria.insert({'1': 'BORRADORES'},
    {'2': 'HOJAS DE PAPEL'},
    {'3': 'TINTA PARA IMPRESORA'},
    {'4': 'TIJERAS'},
    {'5': 'BORRADOR'},
    {'6': 'CORRECTOR'},
    {'7': 'ENGRAPADORA'},
    {'8': 'FOLDER'},)
```

```
        {'9': 'SOBRE'},  
        {'10': 'CLIPS'},)  
db.empleados.insert({'1': 'Pedro Colomer'},  
        {'2': 'Dylan de Diego'},  
        {'3': 'Pedro Exposito'},  
        {'4': 'Ezequiel Puente'},  
        {'5': 'Maialen Mañas'},  
        {'6': 'Benigno Barrera'},  
        {'7': 'Lucio Casals'},  
        {'8': 'Unai Cuesta'},  
        {'9': 'Melania Figueras'},  
        {'10': 'Lluis Labrador'},)
```

```
cd C:\Users\acer\Desktop
```

```
mongodump --db oficina
```

```
db.dropDatabase()
```

```
mongorestore --db oficina dump/oficina
```