

Laboratorio MondoDB

Diana Estefanía Ortiz Ledesma

Simbolo del sistema

```
C:\Users\Diana Ortiz\Documents\Mongo\mongodb\bin>.\mongod.exe --dbpath ~\mongodb\db
{"t":{"$date":"2020-11-16T14:48:50.876-06:00"},"s":"I", "c":"CONTROL", "id":23285, "ctx":"main","msg":"Automatically disabling TLS 1.0, to force-enable TLS 1.0 spec
ify --sslDisabledProtocols 'none'"}
{"t":{"$date":"2020-11-16T14:48:50.881-06:00"},"s":"W", "c":"ASIO", "id":22601, "ctx":"main","msg":"No TransportLayer configured during NetworkInterface startup"}
{"t":{"$date":"2020-11-16T14:48:50.881-06:00"},"s":"I", "c":"NETWORK", "id":4648602, "ctx":"main","msg":"Implicit TCP FastOpen in use."}
{"t":{"$date":"2020-11-16T14:48:50.883-06:00"},"s":"I", "c":"STORAGE", "id":4615611, "ctx":"initandlisten","msg":"MongoDB starting","attr":{"pid":12024,"port":27017,"
dbPath":"~/mongodb/db","architecture":"64-bit","host":"DESKTOP-7I9US9S"}}
{"t":{"$date":"2020-11-16T14:48:50.883-06:00"},"s":"I", "c":"CONTROL", "id":23398, "ctx":"initandlisten","msg":"Target operating system minimum version","attr":{"ta
rgetMinOS":"Windows 7/Windows Server 2008 R2"}}
{"t":{"$date":"2020-11-16T14:48:50.883-06:00"},"s":"I", "c":"CONTROL", "id":23403, "ctx":"initandlisten","msg":"Build Info","attr":{"buildInfo":{"version":"4.4.1","
gitVersion":"ad91a93a5a31e175f5cbf8c69561e788bbc55ce1","modules":[],"allocator":"tcmalloc","environment":{"distmod":"windows","distarch":"x86_64","target_arch":"x86_64"
}}}}
{"t":{"$date":"2020-11-16T14:48:50.883-06:00"},"s":"I", "c":"CONTROL", "id":51765, "ctx":"initandlisten","msg":"Operating System","attr":{"os":{"name":"Microsoft Wi
ndows 10","version":"10.0 (build 19041)"}}}
{"t":{"$date":"2020-11-16T14:48:50.883-06:00"},"s":"I", "c":"CONTROL", "id":21951, "ctx":"initandlisten","msg":"Options set by command line","attr":{"options":{"sto
rage":{"dbPath":"~/mongodb/db"}}}}
{"t":{"$date":"2020-11-16T14:48:50.885-06:00"},"s":"E", "c":"STORAGE", "id":20557, "ctx":"initandlisten","msg":"DBException in initAndListen, terminating","attr":{"
error":"NonExistentPath: Data directory ~\\mongodb\\db not found. Create the missing directory or specify another path using (1) the --dbpath command line option, or (2
) by adding the 'storage.dbPath' option in the configuration file."}}
{"t":{"$date":"2020-11-16T14:48:50.885-06:00"},"s":"I", "c":"REPL", "id":4784900, "ctx":"initandlisten","msg":"Stepping down the ReplicationCoordinator for shutdow
n","attr":{"waitTimeMillis":10000}}
{"t":{"$date":"2020-11-16T14:48:50.886-06:00"},"s":"I", "c":"COMMAND", "id":4784901, "ctx":"initandlisten","msg":"Shutting down the MirrorMaestro"}
{"t":{"$date":"2020-11-16T14:48:50.887-06:00"},"s":"I", "c":"SHARDING", "id":4784902, "ctx":"initandlisten","msg":"Shutting down the WaitForMajorityService"}
{"t":{"$date":"2020-11-16T14:48:50.887-06:00"},"s":"I", "c":"NETWORK", "id":20562, "ctx":"initandlisten","msg":"Shutdown: going to close listening sockets"}
{"t":{"$date":"2020-11-16T14:48:50.888-06:00"},"s":"I", "c":"NETWORK", "id":4784905, "ctx":"initandlisten","msg":"Shutting down the global connection pool"}
{"t":{"$date":"2020-11-16T14:48:50.888-06:00"},"s":"I", "c":"STORAGE", "id":4784906, "ctx":"initandlisten","msg":"Shutting down the FlowControlTicketholder"}
{"t":{"$date":"2020-11-16T14:48:50.889-06:00"},"s":"I", "c":"-", "id":20520, "ctx":"initandlisten","msg":"Stopping further Flow Control ticket acquisitions."}
{"t":{"$date":"2020-11-16T14:48:50.890-06:00"},"s":"I", "c":"NETWORK", "id":4784918, "ctx":"initandlisten","msg":"Shutting down the ReplicaSetMonitor"}
{"t":{"$date":"2020-11-16T14:48:50.890-06:00"},"s":"I", "c":"SHARDING", "id":4784921, "ctx":"initandlisten","msg":"Shutting down the MigrationUtilExecutor"}
{"t":{"$date":"2020-11-16T14:48:50.891-06:00"},"s":"I", "c":"CONTROL", "id":4784925, "ctx":"initandlisten","msg":"Shutting down free monitoring"}
{"t":{"$date":"2020-11-16T14:48:50.891-06:00"},"s":"I", "c":"FTDC", "id":4784926, "ctx":"initandlisten","msg":"Shutting down full-time data capture"}
{"t":{"$date":"2020-11-16T14:48:50.892-06:00"},"s":"I", "c":"STORAGE", "id":4784927, "ctx":"initandlisten","msg":"Shutting down the HealthLog"}
{"t":{"$date":"2020-11-16T14:48:50.893-06:00"},"s":"I", "c":"STORAGE", "id":4784929, "ctx":"initandlisten","msg":"Acquiring the global lock for shutdown"}
{"t":{"$date":"2020-11-16T14:48:50.893-06:00"},"s":"I", "c":"-", "id":4784931, "ctx":"initandlisten","msg":"Dropping the scope cache for shutdown"}
{"t":{"$date":"2020-11-16T14:48:50.894-06:00"},"s":"I", "c":"CONTROL", "id":20565, "ctx":"initandlisten","msg":"Now exiting"}
{"t":{"$date":"2020-11-16T14:48:50.894-06:00"},"s":"I", "c":"CONTROL", "id":23138, "ctx":"initandlisten","msg":"Shutting down","attr":{"exitCode":100}}
```

Símbolo del sistema - \.mongo.exe

```
---
> show dbs
admin    0.000GB
config  0.000GB
local    0.000GB
> use A01209403
switched to db A01209403
> db.user.save({username:"A01209403"})
WriteResult({ "nInserted" : 1 })
> show dbs
A01209403 0.000GB
admin      0.000GB
config     0.000GB
local      0.000GB
```

Símbolo del sistema - \.mongo.exe

```
> db.empleados.insert({Nombre:'Estefania', apellidoPaterno:'Ortiz', apellidoMaterno:'Ledesma', edad:22});
WriteResult({ "nInserted" : 1 })
> db.empleados.find();
{ "_id" : ObjectId("5fb2f7f2e088c633ab360b8a"), "Nombre" : "Estefania", "apellidoPaterno" : "Ortiz", "apellidoMaterno" : "Ledesma", "edad" : 22 }
> db.empleados.find({apellidoPaterno: 'Ortiz'})
{ "_id" : ObjectId("5fb2f7f2e088c633ab360b8a"), "Nombre" : "Estefania", "apellidoPaterno" : "Ortiz", "apellidoMaterno" : "Ledesma", "edad" : 22 }
> db.empleados.find({Nombre: 'Estefania'})
{ "_id" : ObjectId("5fb2f7f2e088c633ab360b8a"), "Nombre" : "Estefania", "apellidoPaterno" : "Ortiz", "apellidoMaterno" : "Ledesma", "edad" : 22 }
> db.empleados.find({apellidoMaterno: /^Ledesma$/i })
{ "_id" : ObjectId("5fb2f7f2e088c633ab360b8a"), "Nombre" : "Estefania", "apellidoPaterno" : "Ortiz", "apellidoMaterno" : "Ledesma", "edad" : 22 }
> db.empleados.find({apellidoMaterno: /^LEDESMA$/i })
{ "_id" : ObjectId("5fb2f7f2e088c633ab360b8a"), "Nombre" : "Estefania", "apellidoPaterno" : "Ortiz", "apellidoMaterno" : "Ledesma", "edad" : 22 }
> db.empleados.insert({Nombre:'Fabiana Isabella', apellidoPaterno:'Calderón', apellidoMaterno:'Becerra', edad:10, fechaCreacion: new Date("2018-11-16")})
WriteResult({ "nInserted" : 1 })
> db.empleados.insert({Nombre:'Ivana Alfonsina', apellidoPaterno:'Calderón', apellidoMaterno:'Becerra', edad:16, fechaCreacion: new Date()})
WriteResult({ "nInserted" : 1 })
> db.empleados.find()
{ "_id" : ObjectId("5fb2f7f2e088c633ab360b8a"), "Nombre" : "Estefania", "apellidoPaterno" : "Ortiz", "apellidoMaterno" : "Ledesma", "edad" : 22 }
{ "_id" : ObjectId("5fb2f8f3e088c633ab360b8b"), "Nombre" : "Fabiana Isabella", "apellidoPaterno" : "Calderón", "apellidoMaterno" : "Becerra", "edad" : 10, "fechaCreacion" : ISODate("2018-11-16T00:00:00Z") }
{ "_id" : ObjectId("5fb2f912e088c633ab360b8c"), "Nombre" : "Ivana Alfonsina", "apellidoPaterno" : "Calderón", "apellidoMaterno" : "Becerra", "edad" : 16, "fechaCreacion" : ISODate("2020-11-16T22:11:30.768Z") }
```


Simbolo del sistema - \mongo.exe

```
> db.empleados.find().pretty()
{
  "_id" : ObjectId("5fb2f7f2e088c633ab360b8a"),
  "Nombre" : "Estefania",
  "apellidoPaterno" : "Ortiz",
  "apellidoMaterno" : "Ledesma",
  "edad" : 22
}
{
  "_id" : ObjectId("5fb2f8f3e088c633ab360b8b"),
  "Nombre" : "Fabiana Isabella",
  "apellidoPaterno" : "Calderón",
  "apellidoMaterno" : "Becerra",
  "edad" : 10,
  "fechaCreacion" : ISODate("2018-11-16T00:00:00Z")
}
{
  "_id" : ObjectId("5fb2f912e088c633ab360b8c"),
  "Nombre" : "Ivana Alfonsina",
  "apellidoPaterno" : "Calderón",
  "apellidoMaterno" : "Becerra",
  "edad" : 16,
  "fechaCreacion" : ISODate("2020-11-16T22:11:30.768Z")
}
> db.empleados.find({edad: {$gt:10} })
{ "_id" : ObjectId("5fb2f7f2e088c633ab360b8a"), "Nombre" : "Estefania", "apellidoPaterno" : "Ortiz", "apellidoMaterno" : "Ledesma", "edad" : 22 }
{ "_id" : ObjectId("5fb2f912e088c633ab360b8c"), "Nombre" : "Ivana Alfonsina", "apellidoPaterno" : "Calderón", "apellidoMaterno" : "Becerra", "edad" : 16, "fechaCreacion" : ISODate("2020-11-16T22:11:30.768Z") }
> db.empleados.find({edad: {$gt:4} })
{ "_id" : ObjectId("5fb2f7f2e088c633ab360b8a"), "Nombre" : "Estefania", "apellidoPaterno" : "Ortiz", "apellidoMaterno" : "Ledesma", "edad" : 22 }
{ "_id" : ObjectId("5fb2f8f3e088c633ab360b8b"), "Nombre" : "Fabiana Isabella", "apellidoPaterno" : "Calderón", "apellidoMaterno" : "Becerra", "edad" : 10, "fechaCreacion" : ISODate("2018-11-16T00:00:00Z") }
{ "_id" : ObjectId("5fb2f912e088c633ab360b8c"), "Nombre" : "Ivana Alfonsina", "apellidoPaterno" : "Calderón", "apellidoMaterno" : "Becerra", "edad" : 16, "fechaCreacion" : ISODate("2020-11-16T22:11:30.768Z") }
```

Símbolo del sistema - \mongo.exe

```
> db.empleados.find({edad: {$gt:10}})
{ "_id" : ObjectId("5fb2f7f2e088c633ab360b8a"), "Nombre" : "Estefania", "apellidoPaterno" : "Ortiz", "apellidoMaterno" : "Ledesma", "edad" : 22 }
{ "_id" : ObjectId("5fb2f912e088c633ab360b8c"), "Nombre" : "Ivana Alfonsina", "apellidoPaterno" : "Calderón", "apellidoMaterno" : "Becerra", "edad" : 16, "fechaCreacion" : ISODate("2020-11-16T22:11:30.768Z") }
> db.empleados.find({edad: {$gt:4}})
{ "_id" : ObjectId("5fb2f7f2e088c633ab360b8a"), "Nombre" : "Estefania", "apellidoPaterno" : "Ortiz", "apellidoMaterno" : "Ledesma", "edad" : 22 }
{ "_id" : ObjectId("5fb2f8f3e088c633ab360b8b"), "Nombre" : "Fabiana Isabella", "apellidoPaterno" : "Calderón", "apellidoMaterno" : "Becerra", "edad" : 10, "fechaCreacion" : ISODate("2018-11-16T00:00:00Z") }
{ "_id" : ObjectId("5fb2f912e088c633ab360b8c"), "Nombre" : "Ivana Alfonsina", "apellidoPaterno" : "Calderón", "apellidoMaterno" : "Becerra", "edad" : 16, "fechaCreacion" : ISODate("2020-11-16T22:11:30.768Z") }
> db.empleados.find({fechaCreacion:{$exists:true}}).pretty()
{
  "_id" : ObjectId("5fb2f8f3e088c633ab360b8b"),
  "Nombre" : "Fabiana Isabella",
  "apellidoPaterno" : "Calderón",
  "apellidoMaterno" : "Becerra",
  "edad" : 10,
  "fechaCreacion" : ISODate("2018-11-16T00:00:00Z")
}
{
  "_id" : ObjectId("5fb2f912e088c633ab360b8c"),
  "Nombre" : "Ivana Alfonsina",
  "apellidoPaterno" : "Calderón",
  "apellidoMaterno" : "Becerra",
  "edad" : 16,
  "fechaCreacion" : ISODate("2020-11-16T22:11:30.768Z")
}
> db.empleados.count()
3
> db.empleados.remove({})
WriteResult({ "nRemoved" : 3 })
> db.empleados.count()
0
```

Simbolo del sistema - \mongo.exe

```
> db.empleados.insert({_id: 'L00000001', nombre: 'Enrique Alfonso', apellidoPaterno: 'Calderon', apellidoMaterno: 'Balderas', aniosExperiencia: 12, ubicacion: {ciudad: 'QRO', pais: 'MX'}, lenguajes: ['java', 'C++', 'C#', 'html']})
WriteResult({ "nInserted" : 1 })
> db.empleados.insert({_id: 'L00000002', nombre: 'Eduardo', apellidoPaterno: 'Rodriguez', apellidoMaterno: 'Lopez', aniosExperiencia: 2, ubicacion: {ciudad: 'GTO', pais: 'MX'}, lenguajes: ['java', 'C++', 'C#']})
WriteResult({ "nInserted" : 1 })
> db.empleados.insert({_id: 'L00000003', nombre: 'Marcela', apellidoPaterno: 'Rodriguez', apellidoMaterno: 'Ramirez', aniosExperiencia: 5, ubicacion: {ciudad: 'GTO', pais: 'MX'}, lenguajes: ['java', 'C++', 'python']})
WriteResult({ "nInserted" : 1 })
> db.empleados.insert({_id: 'L00000004', nombre: 'Andrea', apellidoPaterno: 'Rodriguez', apellidoMaterno: 'Fernandez', aniosExperiencia: 15, ubicacion: {ciudad: 'MTY', pais: 'MX'}, lenguajes: ['java', 'python']})
WriteResult({ "nInserted" : 1 })
> db.empleados.insert({_id: 'L00000005', nombre: 'Eduardo', apellidoPaterno: 'Ordoñez', apellidoMaterno: 'Sandoval', aniosExperiencia: 11, ubicacion: {ciudad: 'GDL', pais: 'MX'}, lenguajes: ['java', 'python', 'laravel']})
WriteResult({ "nInserted" : 1 })
> db.empleados.insert({_id: 'L00000006', nombre: 'Camila', apellidoPaterno: 'Ortiz', apellidoMaterno: 'Mireles', aniosExperiencia: 9, ubicacion: {ciudad: 'GDL', pais: 'MX'}, lenguajes: ['java', 'python', 'C']})
WriteResult({ "nInserted" : 1 })
> db.empleados.insert({_id: 'L00000007', nombre: 'Victoria', apellidoPaterno: 'Rivera', apellidoMaterno: 'Padilla', aniosExperiencia: 5, ubicacion: {ciudad: 'DG', pais: 'MX'}, lenguajes: ['java', 'python', 'html']})
WriteResult({ "nInserted" : 1 })
> db.empleados.insert({_id: 'L00000008', nombre: 'Ricardo', apellidoPaterno: 'Savendra', apellidoMaterno: 'Lopez', aniosExperiencia: 5, ubicacion: {ciudad: 'CL', pais: 'MX'}, lenguajes: ['java', 'python', 'C++']})
WriteResult({ "nInserted" : 1 })
> db.empleados.insert({_id: 'L00000009', nombre: 'Luis', apellidoPaterno: 'Magaña', apellidoMaterno: 'Vazquez', aniosExperiencia: 10, ubicacion: {ciudad: 'NL', pais: 'MX'}, lenguajes: ['java', 'html', 'C++']})
WriteResult({ "nInserted" : 1 })
> db.empleados.insert({_id: 'L00000010', nombre: 'Alondra', apellidoPaterno: 'Tafoya', apellidoMaterno: 'Medina', aniosExperiencia: 9, ubicacion: {ciudad: 'QR', pais: 'MX'}, lenguajes: ['java', 'C']})
WriteResult({ "nInserted" : 1 })
> db.empleados.count()
10
```

Símbolo del sistema - \mongo.exe

```
> db.empleados.find({aniosExperiencia:{>3}}).count()
9
> db.empleados.findOne({aniosExperiencia:{>10}})
{
  "_id" : "L00000001",
  "nombre" : "Enrique Alfonso",
  "apellidoPaterno" : "Calderon",
  "apellidoMaterno" : "Balderas",
  "aniosExperiencia" : 12,
  "ubicacion" : {
    "ciudad" : "QRO",
    "pais" : "MX"
  },
  "lenguajes" : [
    "java",
    "C++",
    "C#",
    "html"
  ]
}
> db.empleados.findOne({lenguajes:'html'}).pretty()
uncaught exception: TypeError: db.empleados.findOne(...).pretty is not a function :
@(shell):1:1
> db.empleados.find({lenguajes:'html'}).pretty()
{
  "_id" : "L00000001",
  "nombre" : "Enrique Alfonso",
  "apellidoPaterno" : "Calderon",
  "apellidoMaterno" : "Balderas",
  "aniosExperiencia" : 12,
  "ubicacion" : {
    "ciudad" : "QRO",
    "pais" : "MX"
  },
  "lenguajes" : [
    "java",
    "C++",
    "C#",
    "html"
  ]
}
{
  "_id" : "L00000007",
  "nombre" : "Victoria",
```

Simbolo del sistema - \mongo.exe

```
"apellidoPaterno" : "Rivera",
"apellidoMaterno" : "Padilla",
"aniosExperiencia" : 5,
"ubicacion" : {
  "ciudad" : "DG",
  "pais" : "MX"
},
"lenguajes" : [
  "java",
  "python",
  "html"
]
},
{
  "_id" : "L00000009",
  "nombre" : "Luis",
  "apellidoPaterno" : "Magaña",
  "apellidoMaterno" : "Vazquez",
  "aniosExperiencia" : 10,
  "ubicacion" : {
    "ciudad" : "NL",
    "pais" : "MX"
  },
  "lenguajes" : [
    "java",
    "html",
    "C++"
  ]
}
}
> db.empleados.find({$or: [{lenguajes:'html'}, {lenguajes:'java'}]}).pretty()
{
  "_id" : "L00000001",
  "nombre" : "Enrique Alfonso",
  "apellidoPaterno" : "Calderon",
  "apellidoMaterno" : "Balderas",
  "aniosExperiencia" : 12,
  "ubicacion" : {
    "ciudad" : "QRO",
    "pais" : "MX"
  },
  "lenguajes" : [
    "java",
    "C++",
    "C#",
```



```

    "html"
  ]
}

{
  "_id" : "L00000002",
  "nombre" : "Eduardo",
  "apellidoPaterno" : "Rodriguez",
  "apellidoMaterno" : "Lopez",
  "aniosExperiencia" : 2,
  "ubicacion" : {
    "ciudad" : "GTO",
    "pais" : "MX"
  },
  "lenguajes" : [
    "java",
    "C++",
    "C#"
  ]
}

{
  "_id" : "L00000003",
  "nombre" : "Marcela",
  "apellidoPaterno" : "Rodriguez",
  "apellidoMaterno" : "Ramirez",
  "aniosExperiencia" : 5,
  "ubicacion" : {
    "ciudad" : "GTO",
    "pais" : "MX"
  },
  "lenguajes" : [
    "java",
    "C++",
    "python"
  ]
}

{
  "_id" : "L00000004",
  "nombre" : "Andrea",
  "apellidoPaterno" : "Rodriguez",
  "apellidoMaterno" : "Fernandez",
  "aniosExperiencia" : 15,
  "ubicacion" : {
    "ciudad" : "MTY",
    "pais" : "MX"
  }
}

```



```

    },
    "lenguajes" : [
      "java",
      "python"
    ]
  },
  {
    "_id" : "L000000005",
    "nombre" : "Eduardo",
    "apellidoPaterno" : "Ordoñez",
    "apellidoMaterno" : "Sandoval",
    "aniosExperiencia" : 11,
    "ubicacion" : {
      "ciudad" : "GDL",
      "pais" : "MX"
    },
    "lenguajes" : [
      "java",
      "python",
      "laravel"
    ]
  },
  {
    "_id" : "L000000006",
    "nombre" : "Camila",
    "apellidoPaterno" : "Ortiz",
    "apellidoMaterno" : "Mireles",
    "aniosExperiencia" : 9,
    "ubicacion" : {
      "ciudad" : "GDL",
      "pais" : "MX"
    },
    "lenguajes" : [
      "java",
      "python",
      "c"
    ]
  },
  {
    "_id" : "L000000007",
    "nombre" : "Victoria",
    "apellidoPaterno" : "Rivera",
    "apellidoMaterno" : "Padilla",
    "aniosExperiencia" : 5,

```

Selecciónar Símbolo del sistema - \mongo.exe

```
{
  "ubicacion" : {
    "ciudad" : "DG",
    "pais" : "MX"
  },
  "lenguajes" : [
    "java",
    "python",
    "html"
  ]
},
{
  "_id" : "L00000008",
  "nombre" : "Ricardo",
  "apellidoPaterno" : "Savedra",
  "apellidoMaterno" : "Lopez",
  "aniosExperiencia" : 5,
  "ubicacion" : {
    "ciudad" : "CL",
    "pais" : "MX"
  },
  "lenguajes" : [
    "java",
    "python",
    "C++"
  ]
},
{
  "_id" : "L00000009",
  "nombre" : "Luis",
  "apellidoPaterno" : "Magaña",
  "apellidoMaterno" : "Vazquez",
  "aniosExperiencia" : 10,
  "ubicacion" : {
    "ciudad" : "NL",
    "pais" : "MX"
  },
  "lenguajes" : [
    "java",
    "html",
    "C++"
  ]
},
{
  "_id" : "L00000010",
```

Seleccionar Símbolo del sistema - \mongo.exe

```
"nombre" : "Alondra",
"apellidoPaterno" : "Tafoya",
"apellidoMaterno" : "Medina",
"anosExperiencia" : 9,
"ubicacion" : {
  "ciudad" : "QR",
  "pais" : "MX"
},
"lenguajes" : [
  "java",
  "C"
]
}
> db.empleados.find({$and: [{lenguajes:'html'}, {lenguajes:'java'}]}).pretty()
{
  "_id" : "L00000001",
  "nombre" : "Enrique Alfonso",
  "apellidoPaterno" : "Calderon",
  "apellidoMaterno" : "Balderas",
  "anosExperiencia" : 12,
  "ubicacion" : {
    "ciudad" : "QRO",
    "pais" : "MX"
  },
  "lenguajes" : [
    "java",
    "C++",
    "C#",
    "html"
  ]
}
{
  "_id" : "L00000007",
  "nombre" : "Victoria",
  "apellidoPaterno" : "Rivera",
  "apellidoMaterno" : "Padilla",
  "anosExperiencia" : 5,
  "ubicacion" : {
    "ciudad" : "DG",
    "pais" : "MX"
  },
  "lenguajes" : [
    "java",
    "python",
```

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```
    "html"
  ]
}
{
  "_id" : "L00000009",
  "nombre" : "Luis",
  "apellidoPaterno" : "Magaña",
  "apellidoMaterno" : "Vazquez",
  "aniosExperiencia" : 10,
  "ubicacion" : {
    "ciudad" : "NL",
    "pais" : "MX"
  },
  "lenguajes" : [
    "java",
    "html",
    "C++"
  ]
}
> db.stats()
{
  "db" : "A01209403",
  "collections" : 2,
  "views" : 0,
  "objects" : 11,
  "avgObjSize" : 207.9090909090909,
  "dataSize" : 2287,
  "storageSize" : 57344,
  "indexes" : 2,
  "indexSize" : 57344,
  "totalSize" : 114688,
  "scaleFactor" : 1,
  "fsUsedSize" : 204532305920,
  "fsTotalSize" : 879370444800,
  "ok" : 1
}
> db.empleados.stats()
{
  "ns" : "A01209403.empleados",
  "size" : 2241,
  "count" : 10,
  "avgObjSize" : 224,
  "storageSize" : 36864,
  "freeStorageSize" : 16384,
```

db.stats() muestra las estadísticas de la base de datos (número de colecciones, número de vistas, número de índices, tamaño de datos...)


```

    "capped" : false,
    "wiredTiger" : {
      "metadata" : {
        "formatVersion" : 1
      },
      "creationString" : "access_pattern_hint=none,allocation_size=4KB,app_metadata=(formatVersion=1),assert=(commit_timestamp=none,durable_timestamp=none,read_timestamp=none),block_allocation=best,block_compressor=snappy,cache_resident=false,checksum=on,colgroups=,collator=,columns=,dictionary=0,encryption=(keyid=,name=),exclusive=false,extractor=,format=btree,huffman_key=,huffman_value=,ignore_in_memory_cache_size=false,immutable=false,import=(enabled=false,file_metadata=,repair=false),internal_item_max=0,internal_key_max=0,internal_key_truncate=true,internal_page_max=4KB,key_format=q,key_gap=10,leaf_item_max=0,leaf_key_max=0,leaf_page_max=32KB,leaf_value_max=64MB,log=(enabled=true),lsm=(auto_throttle=true,bloom=true,bloom_bit_count=16,bloom_config=,bloom_hash_count=8,bloom_oldest=false,chunk_count_limit=0,chunk_max=5GB,chunk_size=10MB,merge_custom=(prefix=,start_generation=0,suffix=),merge_max=15,merge_min=0),memory_page_image_max=0,memory_page_max=10m,os_cache_dirty_max=0,os_cache_max=0,prefix_compression=false,prefix_compression_min=4,source=,split_deepen_min_child=0,split_deepen_per_child=0,split_pct=90,type=file,value_format=u",
      "type" : "file",
      "uri" : "statistics:table:collection-9--4631168813420136430",
      "LSM" : {
        "bloom filter false positives" : 0,
        "bloom filter hits" : 0,
        "bloom filter misses" : 0,
        "bloom filter pages evicted from cache" : 0,
        "bloom filter pages read into cache" : 0,
        "bloom filters in the LSM tree" : 0,
        "chunks in the LSM tree" : 0,
        "highest merge generation in the LSM tree" : 0,
        "queries that could have benefited from a Bloom filter that did not exist" : 0,
        "sleep for LSM checkpoint throttle" : 0,
        "sleep for LSM merge throttle" : 0,
        "total size of bloom filters" : 0
      },
      "block-manager" : {
        "allocations requiring file extension" : 20,
        "blocks allocated" : 50,
        "blocks freed" : 11,
        "checkpoint size" : 4096,
        "file allocation unit size" : 4096,
        "file bytes available for reuse" : 16384,
        "file magic number" : 120897,
        "file major version number" : 1,
        "file size in bytes" : 36864,
        "minor version number" : 0
      },
      "btree" : {
        "btree checkpoint generation" : 33,
        "btree clean tree checkpoint expiration time" : NumberLong("9223372036854775807"),
        "column-store fixed-size leaf pages" : 0,

```

```

"column-store variable-size RLE encoded values" : 0,
"column-store variable-size deleted values" : 0,
"column-store variable-size leaf pages" : 0,
"fixed-record size" : 0,
"maximum internal page key size" : 368,
"maximum internal page size" : 4096,
"maximum leaf page key size" : 2867,
"maximum leaf page size" : 32768,
"maximum leaf page value size" : 67108864,
"maximum tree depth" : 3,
"number of key/value pairs" : 0,
"overflow pages" : 0,
"pages rewritten by compaction" : 0,
"row-store empty values" : 0,
"row-store internal pages" : 0,
"row-store leaf pages" : 0
},
"cache" : {
  "bytes currently in the cache" : 4392,
  "bytes dirty in the cache cumulative" : 34002,
  "bytes read into cache" : 0,
  "bytes written from cache" : 14220,
  "checkpoint blocked page eviction" : 0,
  "data source pages selected for eviction unable to be evicted" : 0,
  "eviction walk passes of a file" : 0,
  "eviction walk target pages histogram - 0-9" : 0,
  "eviction walk target pages histogram - 10-31" : 0,
  "eviction walk target pages histogram - 128 and higher" : 0,
  "eviction walk target pages histogram - 32-63" : 0,
  "eviction walk target pages histogram - 64-128" : 0,
  "eviction walks abandoned" : 0,
  "eviction walks gave up because they restarted their walk twice" : 0,
  "eviction walks gave up because they saw too many pages and found no candidates" : 0,
  "eviction walks gave up because they saw too many pages and found too few candidates" : 0,
  "eviction walks reached end of tree" : 0,
  "eviction walks restarted" : 0,
  "eviction walks started from root of tree" : 0,
  "eviction walks started from saved location in tree" : 0,
  "hazard pointer blocked page eviction" : 0,
  "history store table reads" : 0,
  "in-memory page passed criteria to be split" : 0,
  "in-memory page splits" : 0,
  "internal pages evicted" : 0,
  "internal pages split during eviction" : 0,

```

```

    "page written requiring history store records" : 0,
    "pages read into cache" : 0,
    "pages read into cache after truncate" : 2,
    "pages read into cache after truncate in prepare state" : 0,
    "pages requested from the cache" : 54,
    "pages seen by eviction walk" : 0,
    "pages written from cache" : 24,
    "pages written requiring in-memory restoration" : 0,
    "tracked dirty bytes in the cache" : 0,
    "unmodified pages evicted" : 0
  },
  "cache_walk" : {
    "Average difference between current eviction generation when the page was last considered" : 0,
    "Average on-disk page image size seen" : 0,
    "Average time in cache for pages that have been visited by the eviction server" : 0,
    "Average time in cache for pages that have not been visited by the eviction server" : 0,
    "Clean pages currently in cache" : 0,
    "Current eviction generation" : 0,
    "Dirty pages currently in cache" : 0,
    "Entries in the root page" : 0,
    "Internal pages currently in cache" : 0,
    "Leaf pages currently in cache" : 0,
    "Maximum difference between current eviction generation when the page was last considered" : 0,
    "Maximum page size seen" : 0,
    "Minimum on-disk page image size seen" : 0,
    "Number of pages never visited by eviction server" : 0,
    "On-disk page image sizes smaller than a single allocation unit" : 0,
    "Pages created in memory and never written" : 0,
    "Pages currently queued for eviction" : 0,
    "Pages that could not be queued for eviction" : 0,
    "Refs skipped during cache traversal" : 0,
    "Size of the root page" : 0,
    "Total number of pages currently in cache" : 0
  },
  "checkpoint-cleanup" : {
    "pages added for eviction" : 1,
    "pages removed" : 0,
    "pages skipped during tree walk" : 0,
    "pages visited" : 14
  },
  "compression" : {
    "compressed page maximum internal page size prior to compression" : 4096,
    "compressed page maximum leaf page size prior to compression" : 131072,
    "compressed pages read" : 0,

```

```

    "compressed pages written" : 0,
    "page written failed to compress" : 0,
    "page written was too small to compress" : 24
  },
  "cursor" : {
    "Total number of entries skipped by cursor next calls" : 0,
    "Total number of entries skipped by cursor prev calls" : 3,
    "Total number of entries skipped to position the history store cursor" : 0,
    "bulk loaded cursor insert calls" : 0,
    "cache cursors reuse count" : 28,
    "close calls that result in cache" : 32,
    "create calls" : 4,
    "cursor next calls that skip greater than or equal to 100 entries" : 0,
    "cursor next calls that skip less than 100 entries" : 81,
    "cursor prev calls that skip greater than or equal to 100 entries" : 0,
    "cursor prev calls that skip less than 100 entries" : 2,
    "insert calls" : 13,
    "insert key and value bytes" : 2663,
    "modify" : 0,
    "modify key and value bytes affected" : 0,
    "modify value bytes modified" : 0,
    "next calls" : 81,
    "open cursor count" : 0,
    "operation restarted" : 0,
    "prev calls" : 2,
    "remove calls" : 3,
    "remove key bytes removed" : 3,
    "reserve calls" : 0,
    "reset calls" : 73,
    "search calls" : 6,
    "search history store calls" : 0,
    "search near calls" : 3,
    "truncate calls" : 0,
    "update calls" : 0,
    "update key and value bytes" : 0,
    "update value size change" : 0
  },
  "reconciliation" : {
    "approximate byte size of timestamps in pages written" : 0,
    "approximate byte size of transaction IDs in pages written" : 0,
    "dictionary matches" : 0,
    "fast-path pages deleted" : 0,
    "internal page key bytes discarded using suffix compression" : 0,
    "internal page multi-block writes" : 0,

```


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```
"leaf-page overflow keys" : 0,
"maximum blocks required for a page" : 1,
"overflow values written" : 0,
"page checksum matches" : 0,
"page reconciliation calls" : 28,
"page reconciliation calls for eviction" : 1,
"pages deleted" : 4,
"pages written including an aggregated newest start durable timestamp" : 0,
"pages written including an aggregated newest stop durable timestamp" : 0,
"pages written including an aggregated newest stop timestamp" : 0,
"pages written including an aggregated newest stop transaction ID" : 0,
"pages written including an aggregated newest transaction ID" : 0,
"pages written including an aggregated oldest start timestamp" : 0,
"pages written including an aggregated prepare" : 0,
"pages written including at least one prepare" : 0,
"pages written including at least one start durable timestamp" : 0,
"pages written including at least one start timestamp" : 0,
"pages written including at least one start transaction ID" : 0,
"pages written including at least one stop durable timestamp" : 0,
"pages written including at least one stop timestamp" : 0,
"pages written including at least one stop transaction ID" : 0,
"records written including a prepare" : 0,
"records written including a start durable timestamp" : 0,
"records written including a start timestamp" : 0,
"records written including a start transaction ID" : 0,
"records written including a stop durable timestamp" : 0,
"records written including a stop timestamp" : 0,
"records written including a stop transaction ID" : 0
},
"session" : {
  "object compaction" : 0
},
"transaction" : {
  "race to read prepared update retry" : 0,
  "update conflicts" : 0
}
},
"nindexes" : 1,
"indexBuilds" : [ ],
"totalIndexSize" : 36864,
"totalSize" : 73728,
"indexSizes" : {
  "_id_" : 36864
},
}
```

db.stats() muestra las estadísticas de la colección empleados (número de colecciones, número de vistas, número de índices, tamaño de datos...)