



Integrantes

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Creamos la base de datos y agregamos 3 elementos:

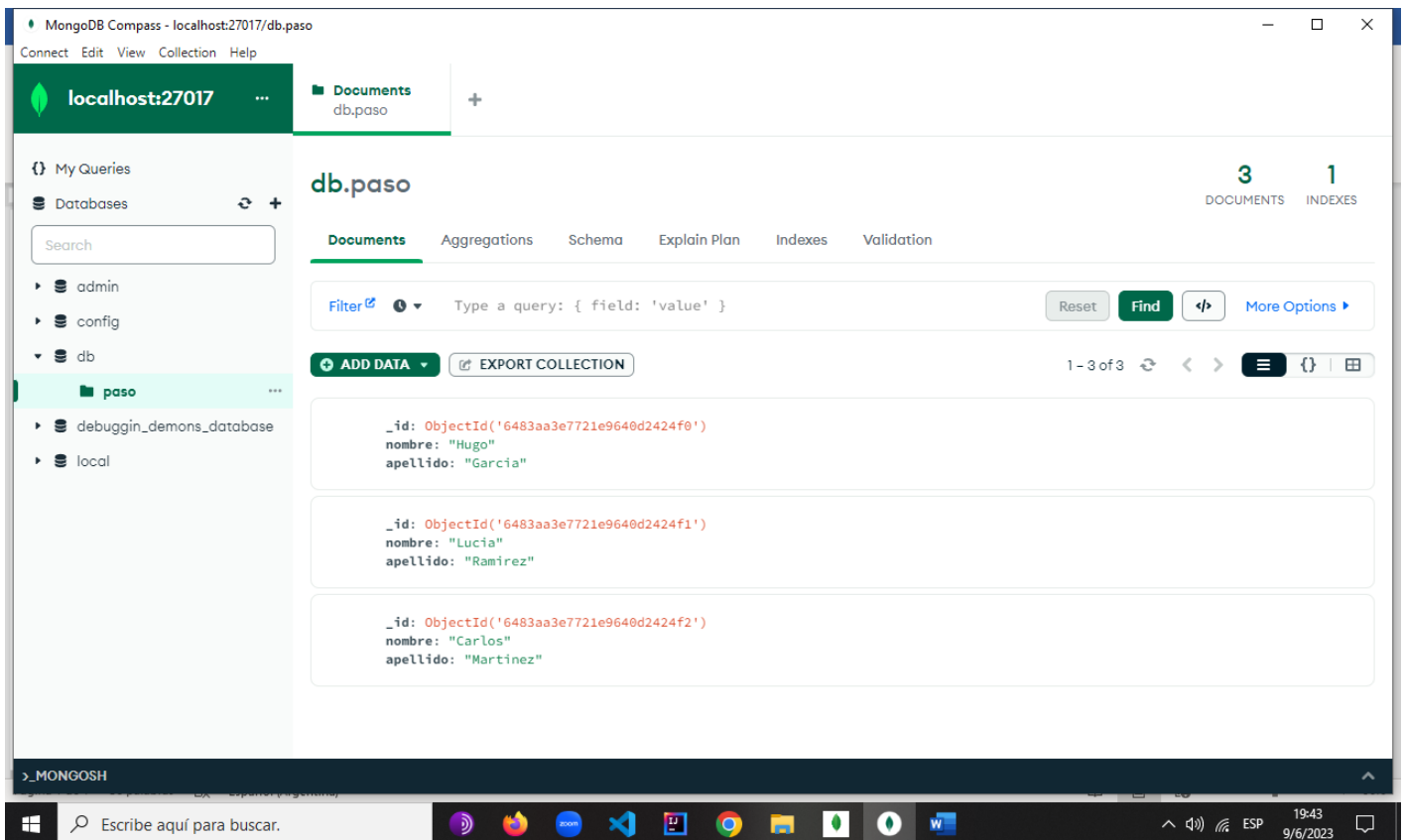
```
mongosh mongodb://localhost:27017/?directConnection=true&serverSelectionTimeoutMS=2000
Please enter a MongoDB connection string (Default: mongodb://localhost:27017/): mongodb://localhost:27017/
Current Mongosh Log ID: 6483a9dc7721e9640d2424ef
Connecting to:      mongodb://localhost:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+1.8.2
Using MongoDB:      5.0.18-rc2
Using Mongosh:       1.8.2

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

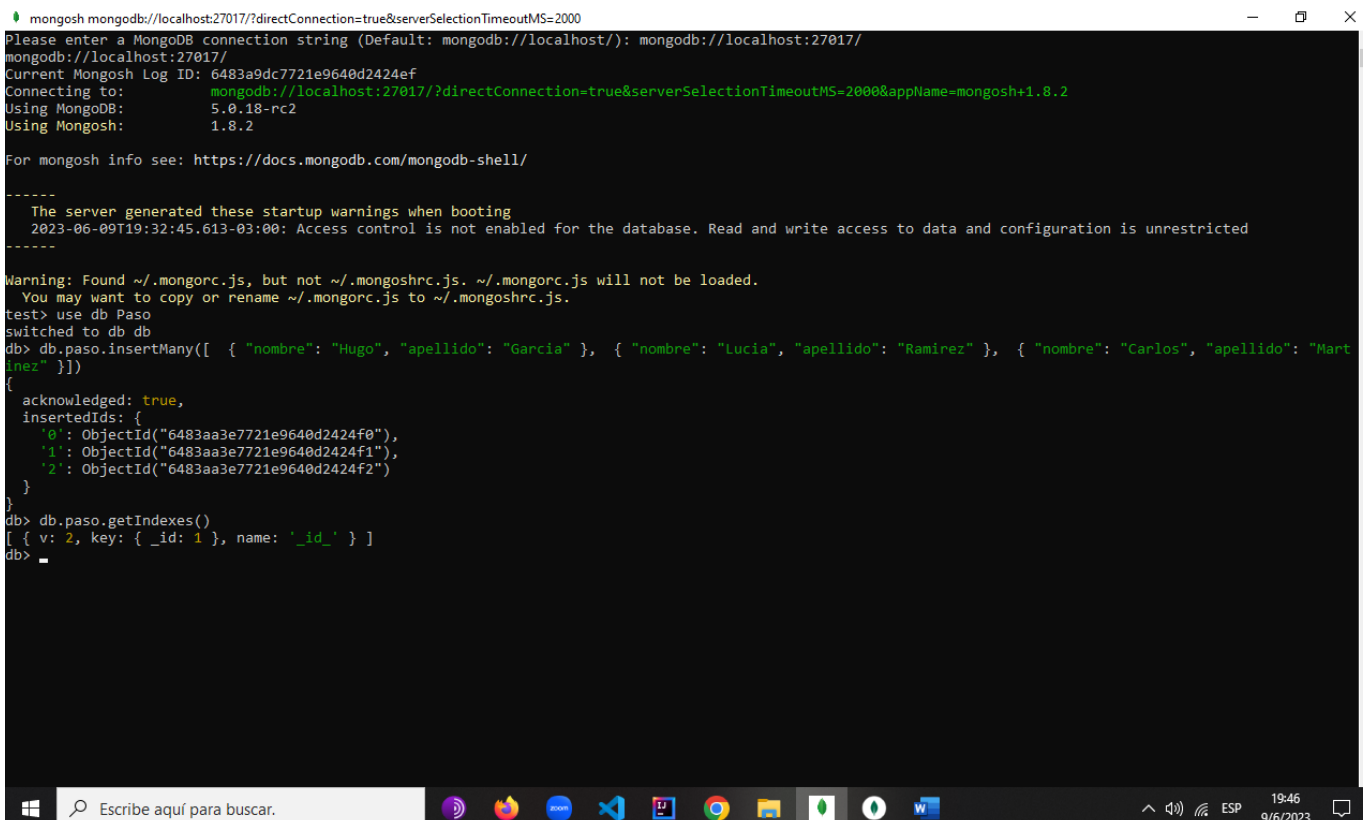
-----
The server generated these startup warnings when booting
2023-06-09T19:32:45.613-03:00: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
-----

Warning: Found ~/.mongorc.js, but not ~/.mongoshrc.js. ~/.mongorc.js will not be loaded.
You may want to copy or rename ~/.mongorc.js to ~/.mongoshrc.js.
test> use db
switched to db
db> db.paso.insertMany([ { "nombre": "Hugo", "apellido": "García" }, { "nombre": "Lucia", "apellido": "Ramírez" }, { "nombre": "Carlos", "apellido": "Martínez" } ])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6483aa3e7721e9640d2424f0"),
    '1': ObjectId("6483aa3e7721e9640d2424f1"),
    '2': ObjectId("6483aa3e7721e9640d2424f2")
  }
}
db>
```

Así se ve hasta el momento con MongoDB Compass:



Obteniendo los índices:





Se busca el elemento por nombre "Carlos" y por objeID:

```

mongosh mongodb://localhost:27017/?directConnection=true&serverSelectionTimeoutMS=2000
test> use db Paso
switched to db db
db> db.paso.insertMany([ { "nombre": "Hugo", "apellido": "Garcia" }, { "nombre": "Lucia", "apellido": "Ramirez" }, { "nombre": "Carlos", "apellido": "Martinez" } ])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6483aa3e7721e9640d2424f0"),
    '1': ObjectId("6483aa3e7721e9640d2424f1"),
    '2': ObjectId("6483aa3e7721e9640d2424f2")
  }
}
db> db.paso.getIndexes()
[ { v: 2, key: { _id: 1 }, name: '_id_' } ]
db> db.paso.find({ "nombre": "carlos" })
db>
db> db.paso.find({ "_id": objectId (6483aa3e7721e9640d2424f2) })
Uncaught:
SyntaxError: Identifier directly after number. (1:33)
> 1 | db.paso.find({ "_id": objectId (6483aa3e7721e9640d2424f2) })
    |                               ^
    |
    |
db> db.paso.find({ "_id": ObjectId("6483aa3e7721e9640d2424f2") })
[
  {
    _id: ObjectId("6483aa3e7721e9640d2424f2"),
    nombre: 'Carlos',
    apellido: 'Martinez'
  }
]
db>

```

Creamos un índice:

```

Warning: Found ~/.mongorc.js, but not ~/.mongoshrc.js. ~/.mongorc.js will not be loaded.
You may want to copy or rename ~/.mongorc.js to ~/.mongoshrc.js.
test> use db Paso
switched to db db
db> db.paso.insertMany([ { "nombre": "Hugo", "apellido": "Garcia" }, { "nombre": "Lucia", "apellido": "Ramirez" }, { "nombre": "Carlos", "apellido": "Martinez" } ])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6483aa3e7721e9640d2424f0"),
    '1': ObjectId("6483aa3e7721e9640d2424f1"),
    '2': ObjectId("6483aa3e7721e9640d2424f2")
  }
}
db> db.paso.getIndexes()
[ { v: 2, key: { _id: 1 }, name: '_id_' } ]
db> db.paso.find({ "nombre": "carlos" })
db>
db> db.paso.find({ "_id": objectId (6483aa3e7721e9640d2424f2) })
Uncaught:
SyntaxError: Identifier directly after number. (1:33)
> 1 | db.paso.find({ "_id": objectId (6483aa3e7721e9640d2424f2) })
    |                               ^
    |
    |
db> db.paso.find({ "_id": ObjectId("6483aa3e7721e9640d2424f2") })
[
  {
    _id: ObjectId("6483aa3e7721e9640d2424f2"),
    nombre: 'Carlos',
    apellido: 'Martinez'
  }
]
db>
apellido_1

```



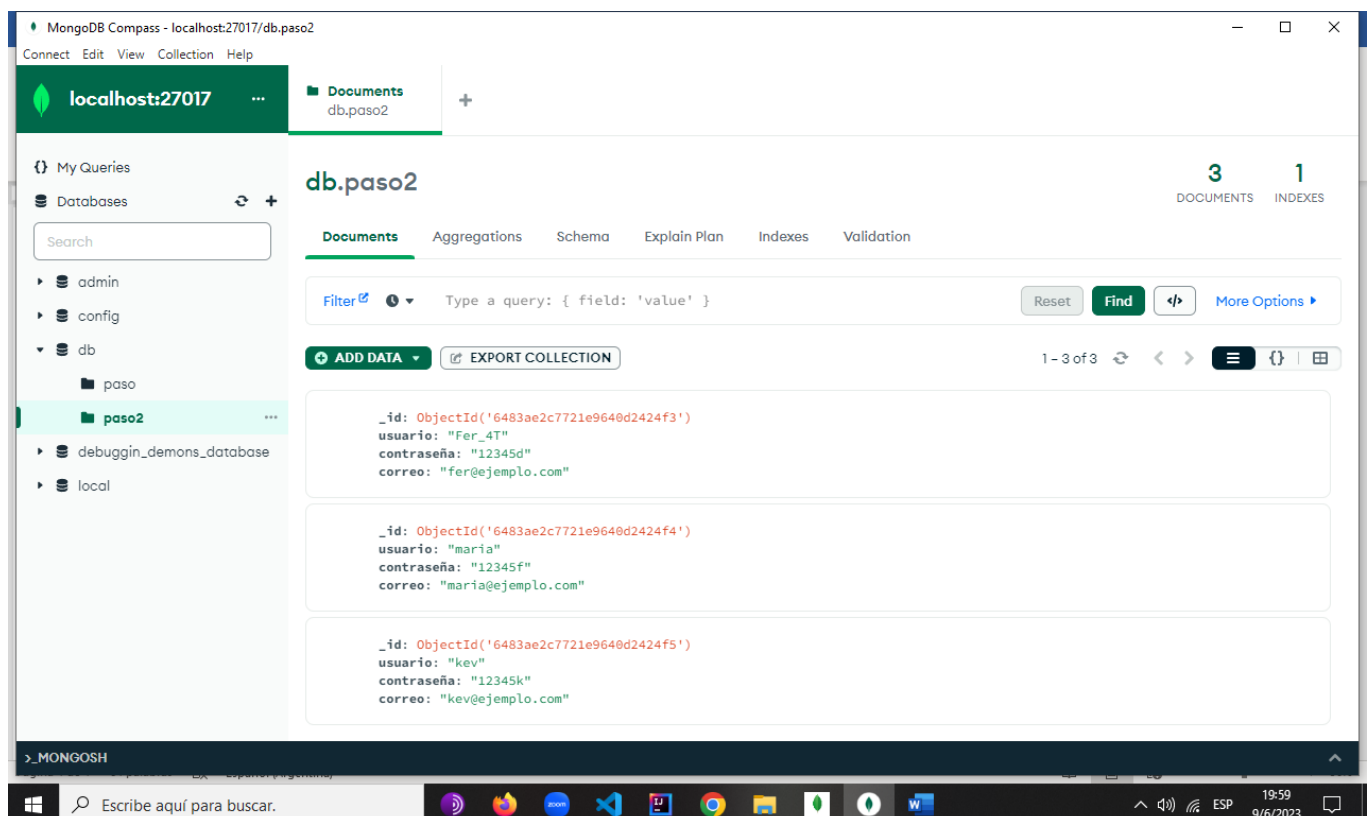
Creamos la base Paso2 y cargamos los datos:

```

mongosh mongodb://localhost:27017/?directConnection=true&serverSelectionTimeoutMS=2000
> 1 | db.paso.find({"_id":objectId(6483aa3e7721e9640d2424f2)})
2 |
db> db.paso.find({ "_id": ObjectId("6483aa3e7721e9640d2424f2") })
[
  {
    _id: ObjectId("6483aa3e7721e9640d2424f2"),
    nombre: 'Carlos',
    apellido: 'Martinez'
  }
]
...
{ "usuario": "Fer_4T", "contraseña": "12345d", "correo": "fer@ejemplo.com" },
{ "usuario": "maria", "contraseña": "12345f", "correo": "maria@ejemplo.com" },
{ "usuario": "kev", "contraseña": "12345k", "correo": "kev@ejemplo.com" }
...
];
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6483ae2c7721e9640d2424f3"),
    '1': ObjectId("6483ae2c7721e9640d2424f4"),
    '2': ObjectId("6483ae2c7721e9640d2424f5")
  }
}
...
{ "usuario": "Fer_4T", "contraseña": "12345d", "correo": "fer@ejemplo.com" },
{ "usuario": "maria", "contraseña": "12345f", "correo": "maria@ejemplo.com" },
{ "usuario": "kev", "contraseña": "12345k", "correo": "kev@ejemplo.com" }
db>
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6483ae5c7721e9640d2424f6"),
    '1': ObjectId("6483ae5c7721e9640d2424f7"),
    '2': ObjectId("6483ae5c7721e9640d2424f8")
  }
}

```

Vista con moongoDB Compass:





Creamos la colección segundo y cargamos los datos:

```

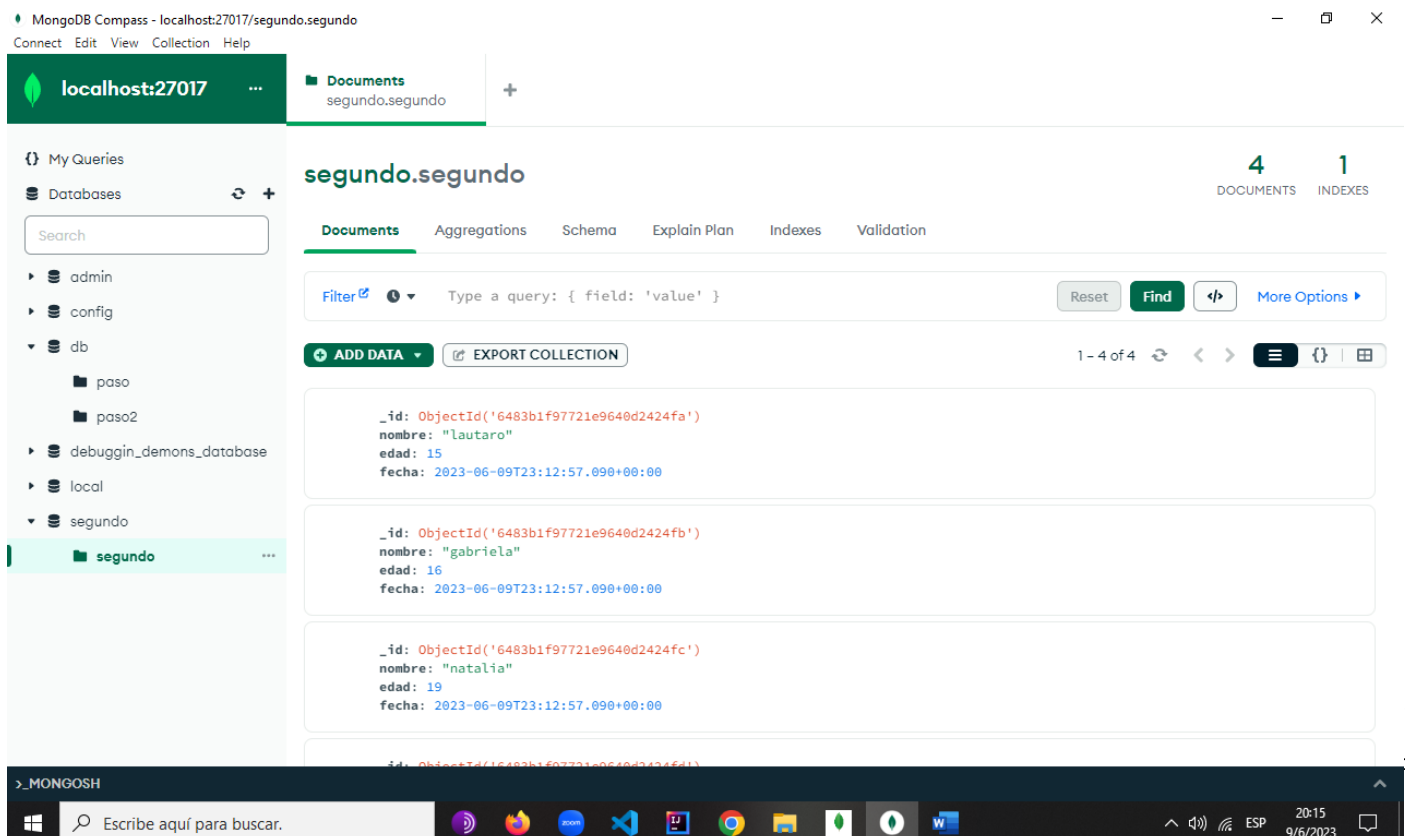
mongosh mongodb://localhost:27017/?directConnection=true&serverSelectionTimeoutMS=2000
For mongosh info see: https://docs.mongodb.com/mongodb-shell/

-----
The server generated these startup warnings when booting
2023-06-09T19:32:45.613-03:00: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
-----

Warning: Found ~/.mongorc.js, but not ~/.mongoshrc.js. ~/.mongorc.js will not be loaded.
You may want to copy or rename ~/.mongorc.js to ~/.mongoshrc.js.
test> use db Paso
switched to db db
db> db.paso.insertMany([ { "nombre": "Hugo", "apellido": "Garcia" }, { "nombre": "Lucia", "apellido": "Ramirez" }, { "nombre": "Carlos", "apellido": "Martinez" } ])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6483b1f97721e9640d2424f9"),
    '1': ObjectId("6483b1f97721e9640d2424fa"),
    '2': ObjectId("6483b1f97721e9640d2424fb"),
    '3': ObjectId("6483b1f97721e9640d2424fc"),
    '4': ObjectId("6483b1f97721e9640d2424fd")
  }
}
segundo> use segundo
already on db segundo
segundo> db.segundo.insertMany([
... { "nombre": "lautaro", "edad": 15, "fecha": new Date() },
... { "nombre": "lautaro", "edad": 15, "fecha": new Date() },
... { "nombre": "gabriela", "edad": 16, "fecha": new Date() },
... { "nombre": "natalia", "edad": 19, "fecha": new Date() },
... { "nombre": "david", "edad": 20, "fecha": new Date() }
... ]);
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6483b1f97721e9640d2424fa"),
    '1': ObjectId("6483b1f97721e9640d2424fb"),
    '2': ObjectId("6483b1f97721e9640d2424fc"),
    '3': ObjectId("6483b1f97721e9640d2424fd"),
    '4': ObjectId("6483b1f97721e9640d2424fe")
  }
}
segundo>

```

Vista con mongoDB Compass:



MongoDB Compass - localhost:27017/segundo.segundo

Connect Edit View Collection Help

localhost:27017 Documents segundo.segundo

My Queries Databases Search

admin config db paso paso2 debuggin_demons_database local segundo

segundo

segundo.segundo 4 DOCUMENTS 1 INDEXES

Documents Aggregations Schema Explain Plan Indexes Validation

Filter Type a query: { field: 'value' } Reset Find More Options

ADD DATA EXPORT COLLECTION 1 - 4 of 4

```

_id: ObjectId('6483b1f97721e9640d2424fa')
nombre: "lautaro"
edad: 15
fecha: 2023-06-09T23:12:57.090+00:00

_id: ObjectId('6483b1f97721e9640d2424fb')
nombre: "gabriela"
edad: 16
fecha: 2023-06-09T23:12:57.090+00:00

_id: ObjectId('6483b1f97721e9640d2424fc')
nombre: "natalia"
edad: 19
fecha: 2023-06-09T23:12:57.090+00:00

_id: ObjectId('6483b1f97721e9640d2424fd')
nombre: "david"
edad: 20
fecha: 2023-06-09T23:12:57.090+00:00

```



Registros creados al momento:

```

mongosh mongodb://localhost:27017/?directConnection=true&serverSelectionTimeoutMS=2000
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("6483b1f97721e9640d2424f9"),
    '1': ObjectId("6483b1f97721e9640d2424fa"),
    '2': ObjectId("6483b1f97721e9640d2424fb"),
    '3': ObjectId("6483b1f97721e9640d2424fc"),
    '4': ObjectId("6483b1f97721e9640d2424fd")
  }
}
segundo> db.segundo.find().pretty()
[
  {
    _id: ObjectId("6483b1f97721e9640d2424fa"),
    nombre: 'lautaro',
    edad: 15,
    fecha: ISODate("2023-06-09T23:12:57.090Z")
  },
  {
    _id: ObjectId("6483b1f97721e9640d2424fb"),
    nombre: 'gabriela',
    edad: 16,
    fecha: ISODate("2023-06-09T23:12:57.090Z")
  },
  {
    _id: ObjectId("6483b1f97721e9640d2424fc"),
    nombre: 'natalia',
    edad: 19,
    fecha: ISODate("2023-06-09T23:12:57.090Z")
  },
  {
    _id: ObjectId("6483b1f97721e9640d2424fd"),
    nombre: 'david',
    edad: 20,
    fecha: ISODate("2023-06-09T23:12:57.090Z")
  }
]
segundo>

```

Creación de índices en segundo plano:

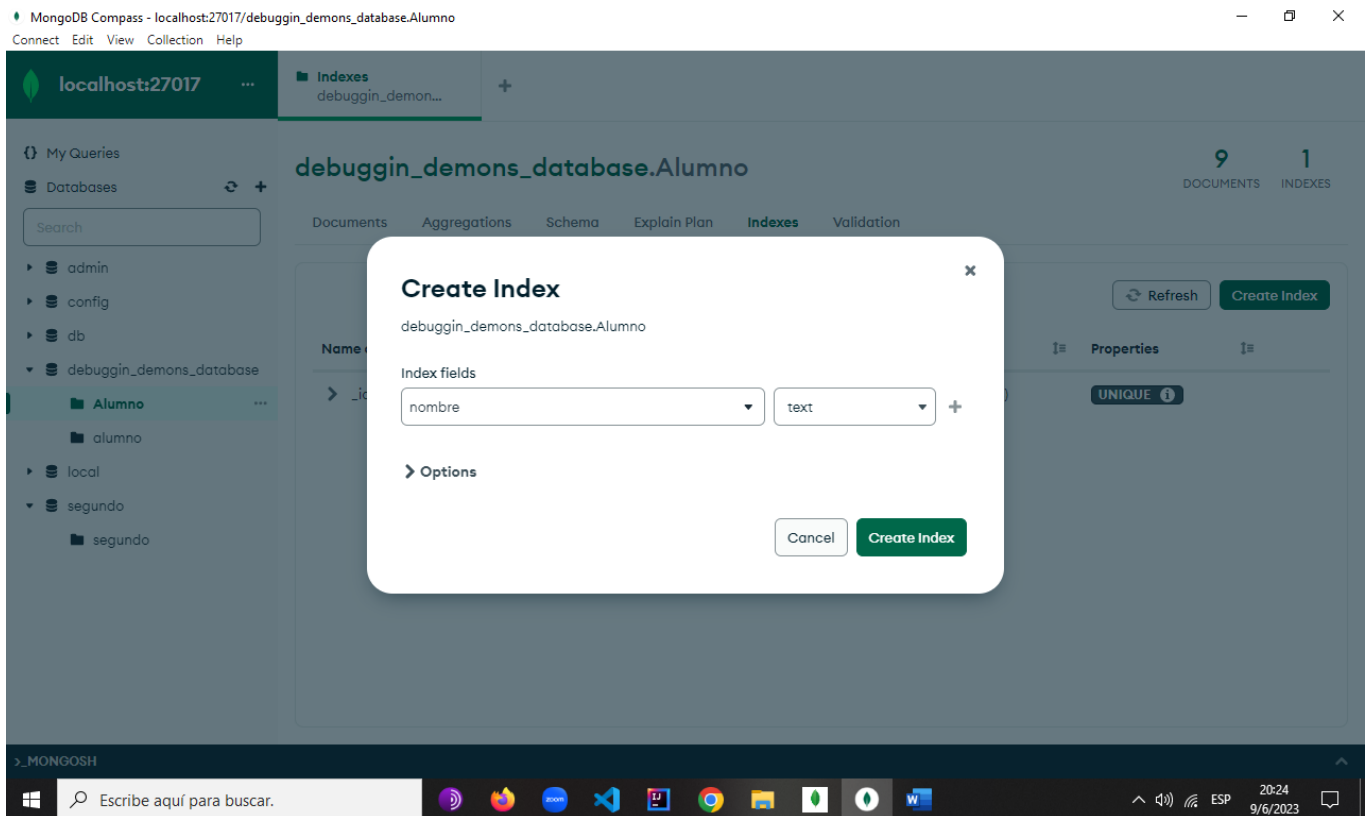
```

mongosh mongodb://localhost:27017/?directConnection=true&serverSelectionTimeoutMS=2000
segundo> db.segundo.createIndex({"nombre":1},{background:true})
nombre_1
segundo> db.segundo.createIndex({"fecha":1},{background:true})
fecha_1
segundo> db.segundo.getIndexes()
[
  { v: 2, key: { _id: 1 }, name: '_id_' },
  { v: 2, key: { nombre: 1 }, name: 'nombre_1', background: true },
  { v: 2, key: { fecha: 1 }, name: 'fecha_1', background: true }
]
segundo>

```



Creando el índice en mongoDB Compass:



MongoDB Compass - localhost:27017/debuggin_demons_database.Alumno

Connect Edit View Collection Help

localhost:27017

Indexes debuggin_demon...

debuggin_demons_database.Alumno

Documents Aggregations Schema Explain Plan **Indexes** Validation

9 DOCUMENTS 1 INDEXES

Refresh Create Index

Properties

UNIQUE

Create Index

Cancel Create Index

> Options

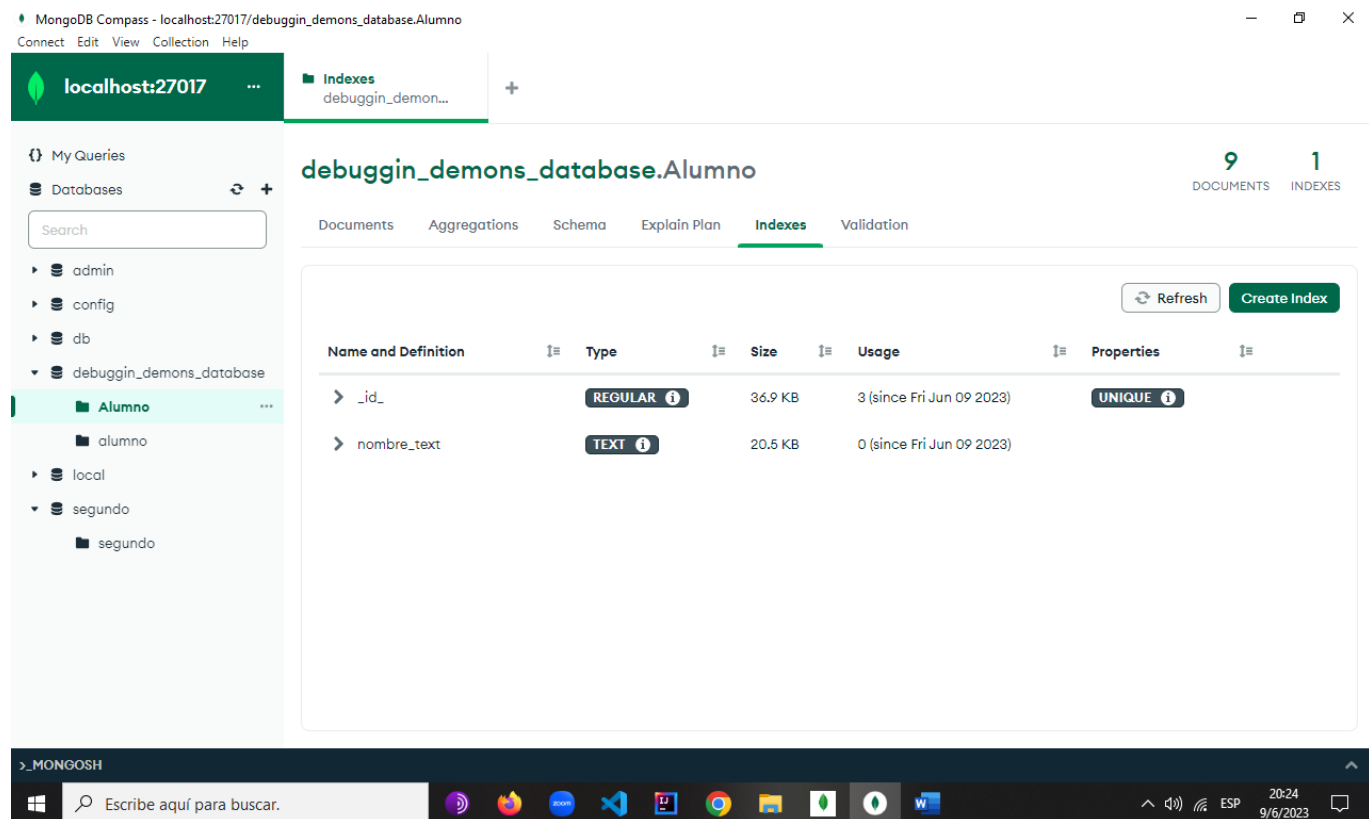
Index fields

nombre text

> _MONGOSH

Escribe aquí para buscar.

20:24 9/6/2023



MongoDB Compass - localhost:27017/debuggin_demons_database.Alumno

Connect Edit View Collection Help

localhost:27017

Indexes debuggin_demon...

debuggin_demons_database.Alumno

Documents Aggregations Schema Explain Plan **Indexes** Validation

9 DOCUMENTS 1 INDEXES

Refresh Create Index

| Name and Definition | Type | Size | Usage | Properties |
|---------------------|---------|---------|---------------------------|------------|
| > _id_ | REGULAR | 36.9 KB | 3 (since Fri Jun 09 2023) | UNIQUE |
| > nombre_text | TEXT | 20.5 KB | 0 (since Fri Jun 09 2023) | |

> _MONGOSH

Escribe aquí para buscar.

20:24 9/6/2023