

CREACIÓN DE BASES DE DATOS NOSQL

Presentado a: Alexandra muñoz

Por Aprendiz: David Santiago viveros mera

Ficha: 2874057

Competencia:

Resultado de Aprendizaje:

Tecnólogo en Análisis y Desarrollo de Software Servicio Nacional de Aprendizaje SENA Centro de Teleinformática y Producción Industrial Regional Cauca

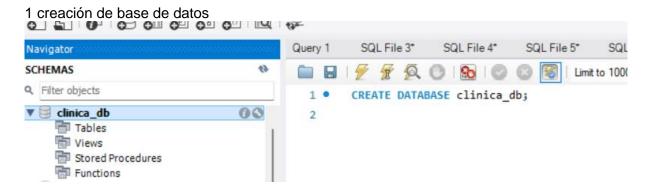
Popayán, día 19 de febrero del año 2024



Tabla de Contenido



Configuración del proyecto

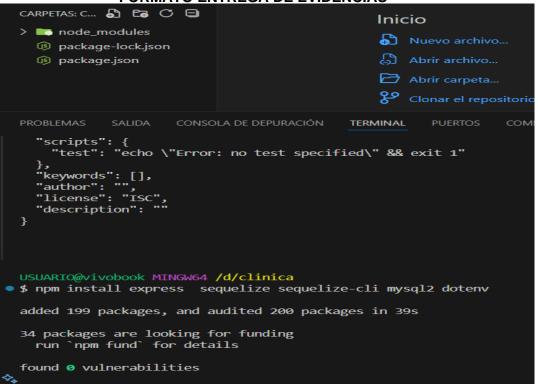


Configuración del proyecto

```
| CARPETAS: C... | Ea C | Inicio |
| Package, json | Nuevo archivo... | Abrir archivo... |
| Abrir archivo... | Abrir carpeta... |
| PROBLEMAS SALIDA CONSOLA DE DEPURACIÓN TERMINAL PUERTOS COMENTAR

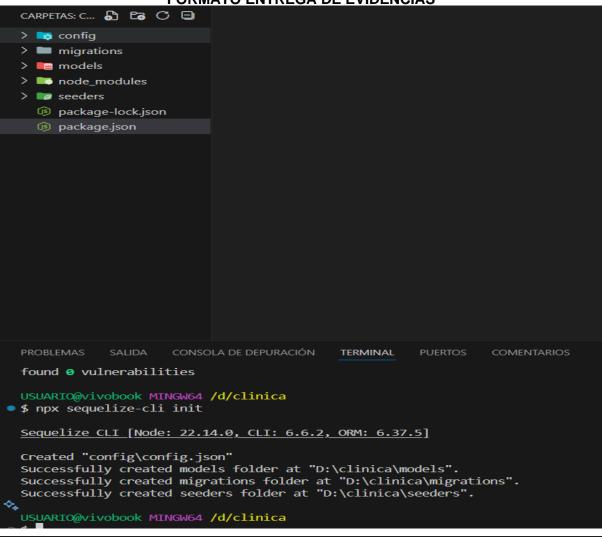
| USUARIO@vivobook MINGW64 /d/clinica |
| ** npm init -y |
| Wrote to D:\clinica\package.json: |
| ** "name": "clinica", "version": "1.0.0", "main": "index.js", "scripts": {
| "test": "echo \"Error: no test specified\" && exit 1" |
| }, "keywords": [], "author": "", "license": "ISC", "description": "" |
| }
```





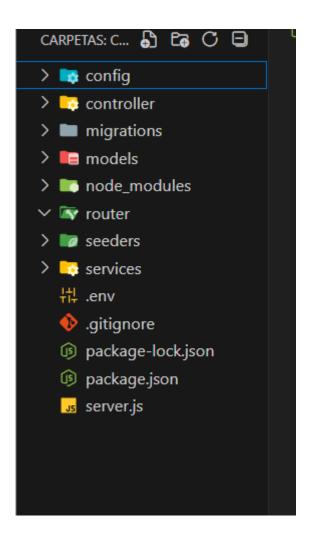
\$ npm install nodemon
added 27 packages, and audited 227 packages in 3s
38 packages are looking for funding
 run `npm fund` for details
found ② vulnerabilities







Hacemos la configuración del proyecto creando las carpetas services,router,controller y los archivos .env, gitignore,server.js





```
> 📭 config
                                                                                          const {
  > 🔯 controller
                                                                                          } = require('sequelize');

✓ Image of the work of th
         JS 20250303225808-create-paci...
                                                                                         module.exports = (sequelize, DataTypes) => {
      models
         J₅ index.js
          Js paciente.js
                                                                                                     * This method is not a part of Sequelize lifecycle.
  > node_modules
     seeders
                                                                                                  static associate(models) {
   > services
        .gitignore
       package-lock.json
                                                                                          nombre: DataTypes.STRING,
apellido: DataTypes.STRING,
direccion: DataTypes.STRING
       package.json
       J₅ server.js
                                                                                              sequelize,
                                                                                                modelName: 'Paciente',
                                                                                             return Paciente:
  PROBLEMAS SALIDA CONSOLA DE DEPURACIÓN TERMINAL PUERTOS COMENTARIOS

    bash + ∨ □

  USUARIO@vivobook MINGW64 /d/clinica
s npx sequelize-cli model:generate --name Paciente --attributes nombre:string,apellido:string,direccion:string
  Sequelize CLI [Node: 22.14.0, CLI: 6.6.2, ORM: 6.37.5]
  New model was created at D:\clinica\models\paciente.js .
  New migration was created at D:\clinica\migrations\20250303225808-create-paciente.js .
 USUARIO@vivobook MINGW64 /d/clinica
       USUARIO@vivobook MINGW64 /d/clinica
$ npx sequelize-cli db:migrate
        Sequelize CLI [Node: 22.14.0, CLI: 6.6.2, ORM: 6.37.5]
       Loaded configuration file "config\config.json".
       Using environment "development".
       == 20250303225808-create-paciente: migrating ======
       == 20250303225808-create-paciente: migrated (0.033s)
      USUARIO@vivobook MINGW64 /d/clinica
```



```
Paciente controller
                                                                        ১ C □ controller > s pacienteController.js > 🔀 pacienteController > 🕾 eliminarpacientes
       CARPETAS: CLINICA
                                                                                                                                                       const { pacientes } = require('../models');
const pacienteServices = require('../services/pacienteServices');

✓ 

config

confi
                Config.json
                                                                                                                                                        class pacienteController {
    Tabnine | Edit | Test | Explain | Document
    static async listarpacientes(req, res) {
                  ■ pacienteController.js
                                                                                                            М

✓ Image migrations

                 20250303225808-create-pacient...
                                                                                                                                                                                                  const pacientes = await pacienteServices.listarpacientes();
res.json(pacientes);
               models
                  index.js
paciente.js
                                                                                                                                                                                   } catch (error) {
   console.log(error);
}
       > node modules
              router
                                                                                                                                                                        Tabnine|Edit|Test|Explain|Document
static async createPaciente(req, res) {
                   pacienteRoutes.js
                                                                                                                                                                                     try {
    const nuevoPaciente = await pacienteServices.crearpacientes(req.body);
    res.json(nuevoPaciente);

✓ Image: Seeders

       Js pacienteServices.js
                                                                                                                                                                                     } catch (error) {
   console.log(error);
                 🌔 .gitignore
              package-lock.json
                                                                                                                                                                        Tabnine | Edit | Test | Explain | Document static async actualizarpacientes(req, res) {
               n package.ison
              server.js
                                                                                                                                                                                      try {
| const { id } = req.params;
                                                                                                                                                                                                  const pacienteActualizado - await pacienteServices.actualizarpacientes(id, req.body); res.json(pacienteActualizado);
                                                                                                                                                                                     } catch (error) {
   console.log(error);
                                                                                                                                                                        Tabnine | Edit | Test | Explain | Document static async eliminarpacientes(req, res) {
                                                                                                                                                                                     try {
    const { id } = req.params;
    await pacienteServices.eliminarpacientes(id);
    res.json({ message: 'Paciente eliminado correctamente' });
    catch (error) {
        console.log(error);
    }
}
```

```
Paciente modelo
```

```
models > Js paciente.js > ...
                      V 🗰 config
   {} config.json
                                                 const { Model } = require('sequelize');

✓ □ controller

                                                 Tabnine | Edit | Test | Explain | Document
module.exports = (sequelize, DataTypes) => {
    pacienteController.js

✓ 

    migrations

   us 20250303225808-create-pacient...

✓ ■ models

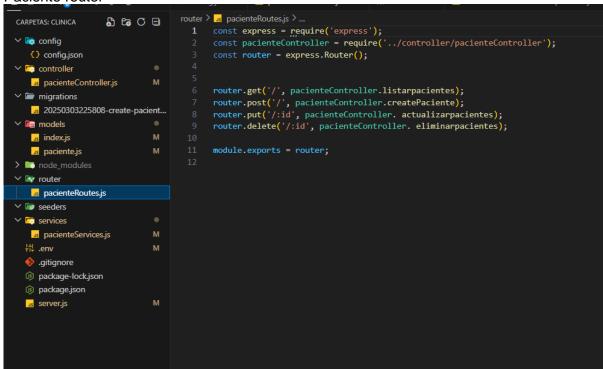
 JS index.js
      paciente.js
> node_modules
                                                     static associate(models) {
∨ 🔯 router
   pacienteRoutes.js

✓ 
☐ services

    JS pacienteServices.js
                                                   nombre: DataTypes.STRING,
  벆 .env
                                                    apellido: DataTypes.STRING,
direccion: DataTypes.STRING
   .gitignore
  package-lock.json
  package.json
                                                   sequelize,
modelName: 'Pacientes',
  Js server.js
```



Paciente router





Paciente services

```
services > 😠 pacienteServices.js > 🔀 pacienteServices > 🕜 listarpacientes
                     B 6 6 ⊟
CARPETAS: CLINICA
                                             const { Paciente } = require("../models");
V 🐚 config
   () config.json
                                             class pacienteServices {
                                                  Tabnine | Edit | Test | Explain | Document

✓ 
☐ controller

                                                  static async listarpacientes() {
   pacienteController.js
                                                      try [

✓ Image of the migrations

                                                           return await Paciente.findAll();
                                        6
   😠 20250303225808-create-pacient...
                                                      catch (error) {

✓ Imm models

                                                           console.log(error);
   🥦 index.js
                                                           throw error;
   paciente.js
> node_modules

✓ Improvement
                                                  Tabnine | Edit | Test | Explain | Document
   🐷 pacienteRoutes.js
                                                  static async crearpacientes(data) {
V 📦 seeders
                                                           return await Paciente.create(data);

✓ Image: Services

                                                      } catch (error) {
   pacienteServices.js
                                                          console.log(error);
  낚 .env
                                                          throw error;
  orongitip.

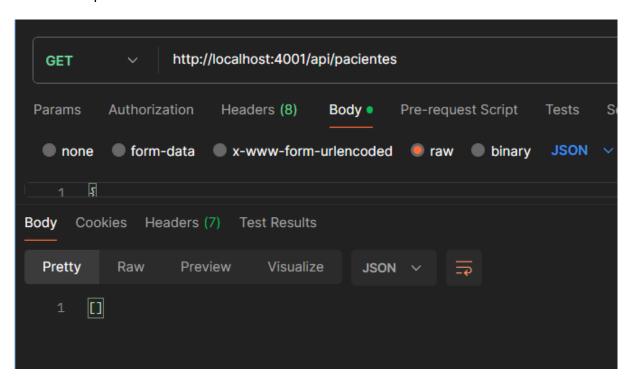
  package-lock.json

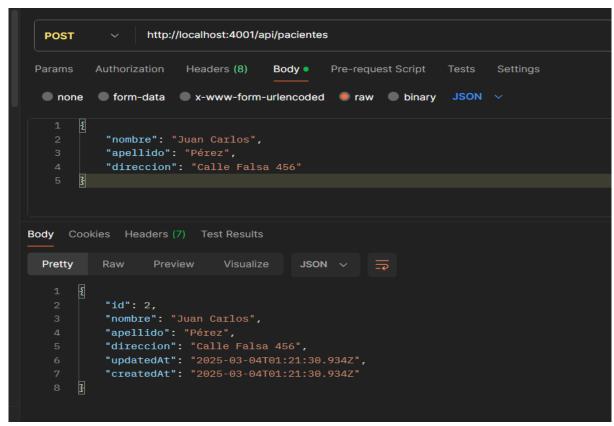
  package.json

                                                  Tabnine | Edit | Test | Explain | Document
  🚂 server.js
                                                  static async actualizarpacientes(id, data) {
                                                           const pacienteEN = await Paciente.findByPk(id);
                                                          if (pacienteEN) {
                                                               return await pacienteEN.update(data);
                                                           } else {
                                                               throw new Error('Paciente not found');
                                                      } catch (error) {
                                                           console.log(error);
                                                           throw error;
                                                  Tabnine | Edit | Test | Explain | Document
                                                  static async eliminarpacientes(id) {
                                                          const paciente = await Paciente.findByPk(id);
                                                          if (paciente) {
                                                               return await paciente.destroy();
                                                           } else {
                                                               throw new Error('Paciente not found');
                                                      } catch (error) {
                                                          console.log(error);
                                                           throw error;
                                             module.exports = pacienteServices;
```

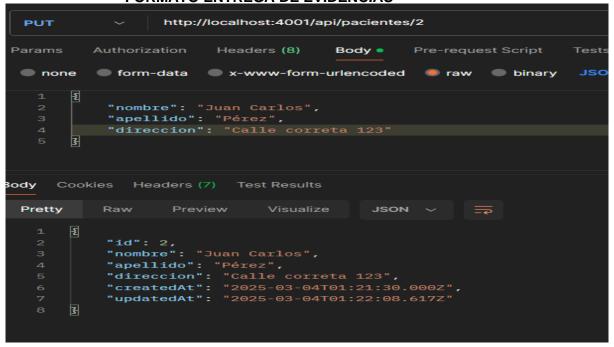


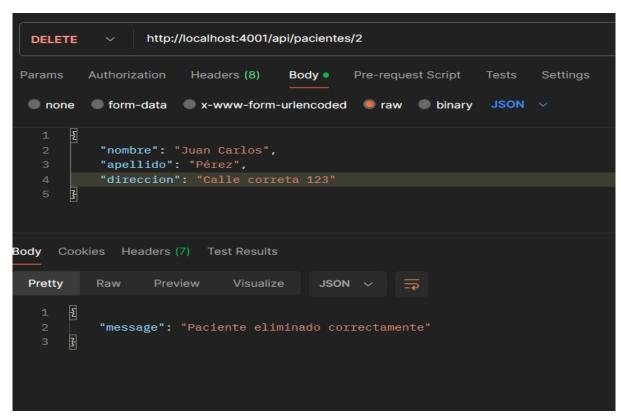
Pruebas en postman













Base de datos de Mysql workbench

