

Segundo Parcial Base De Datos Masivas

Caren Juliana Arevalo Vargas

ID:838908

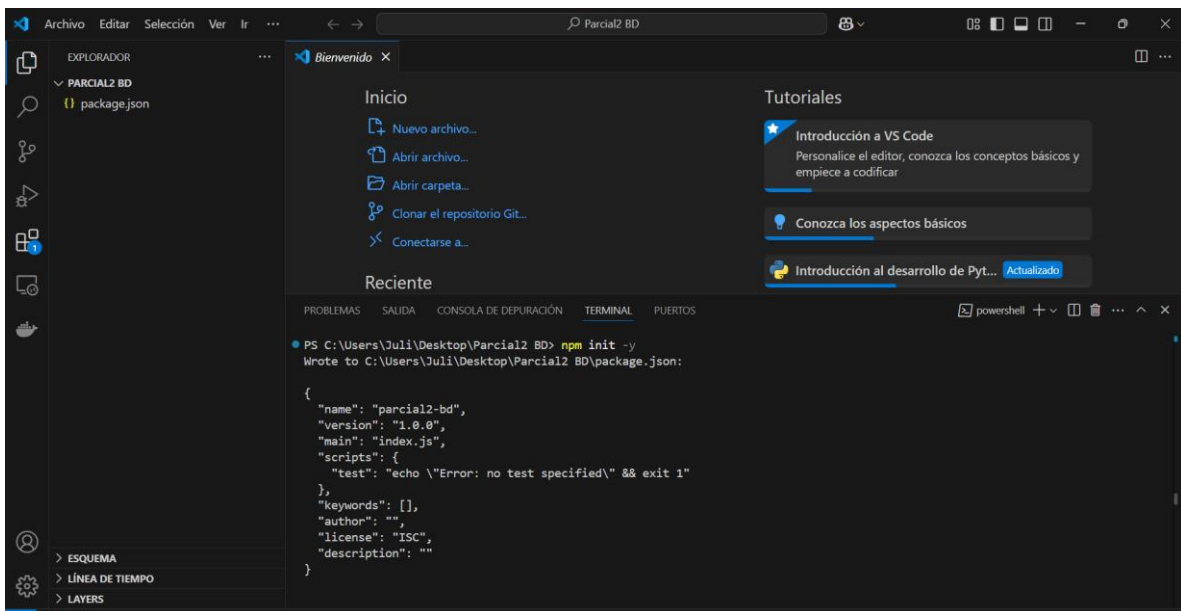
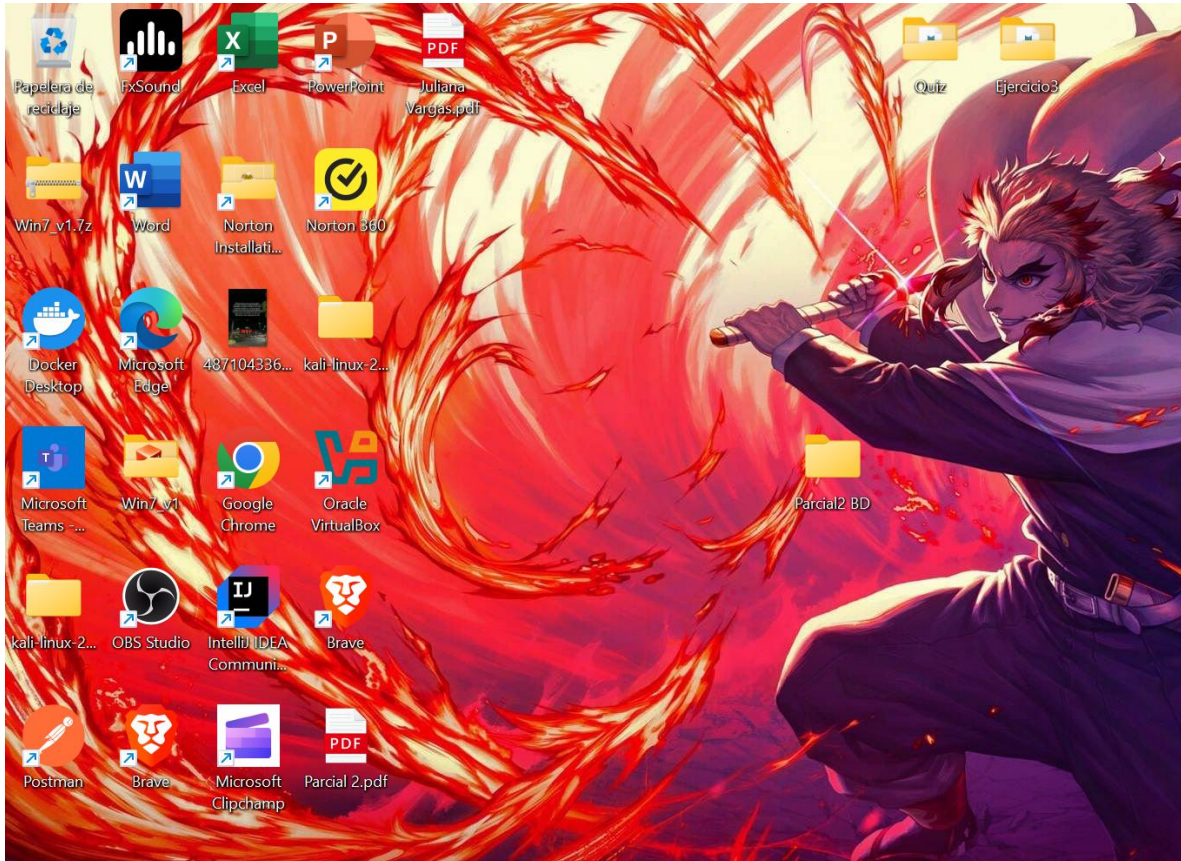
Corporación Universitaria Minuto de Dios

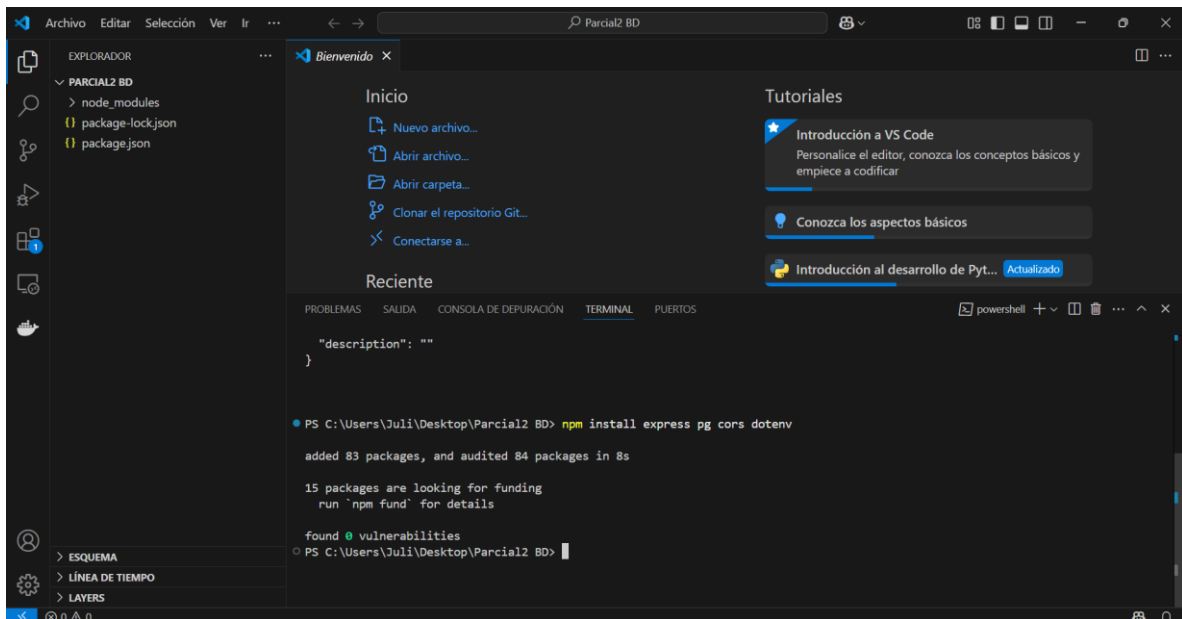
William Alexander Matallana Porras

Bases De Datos Masivas

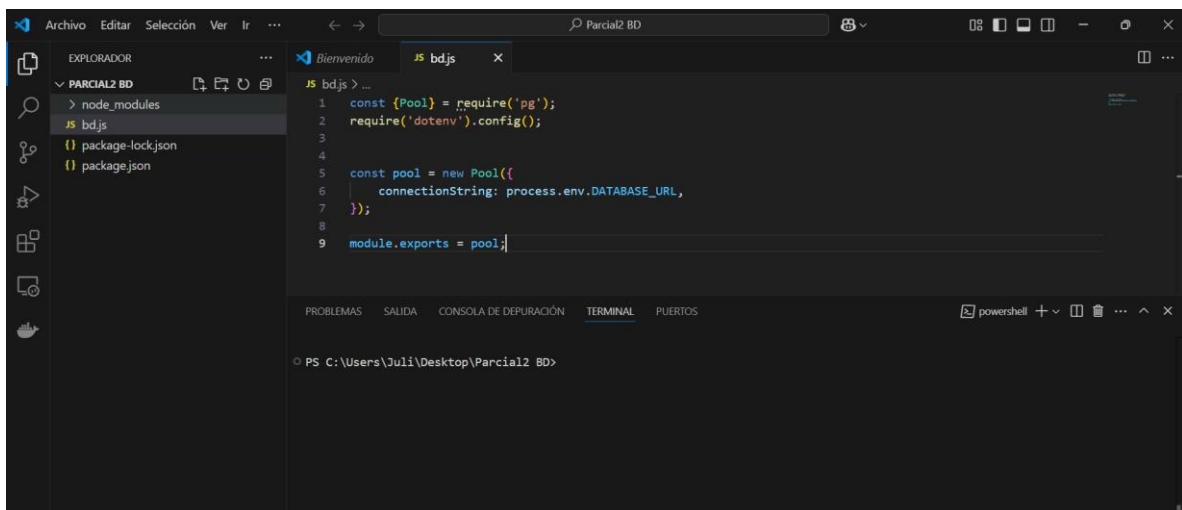
Abril 2025

1. **Creación de la carpeta para los códigos:** Crearemos la carpeta que se abrirá con visual studio code para empezar con la creación de los códigos para su ejecución.

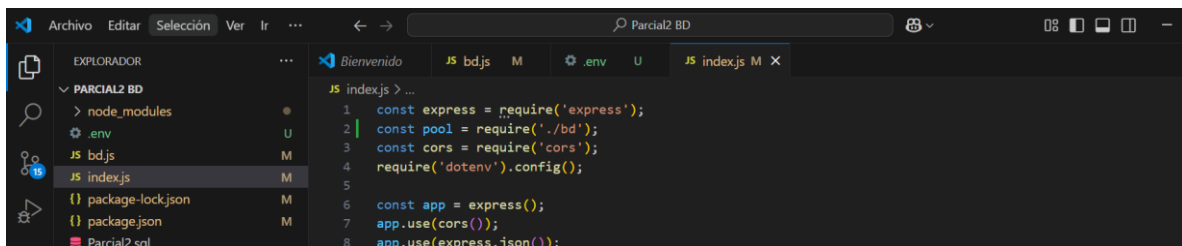
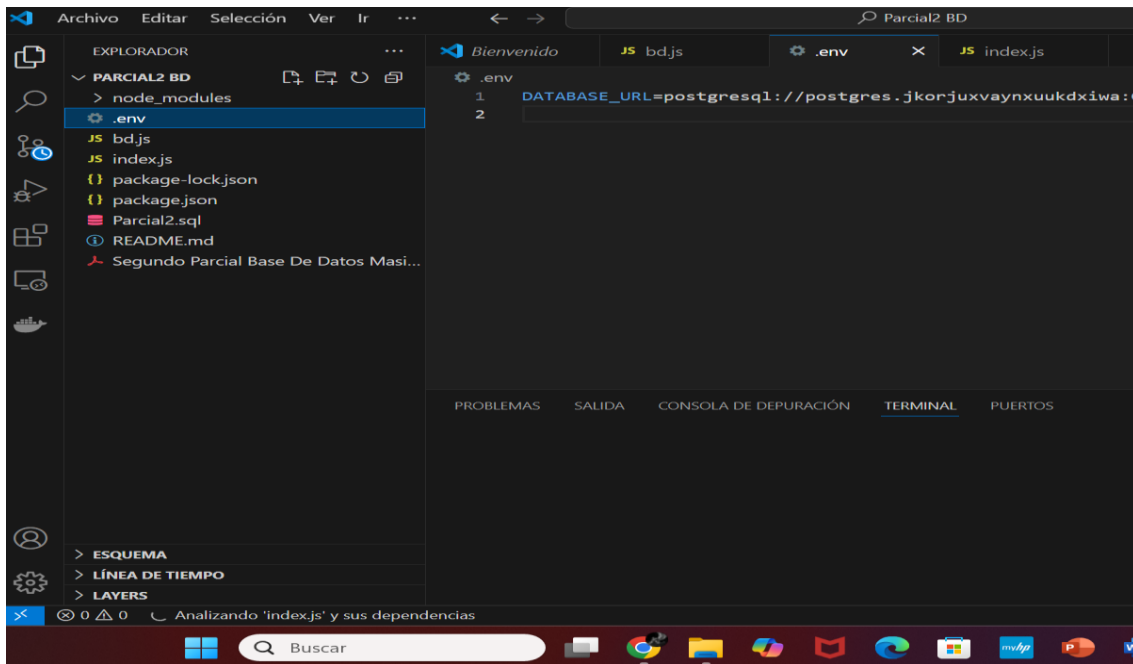




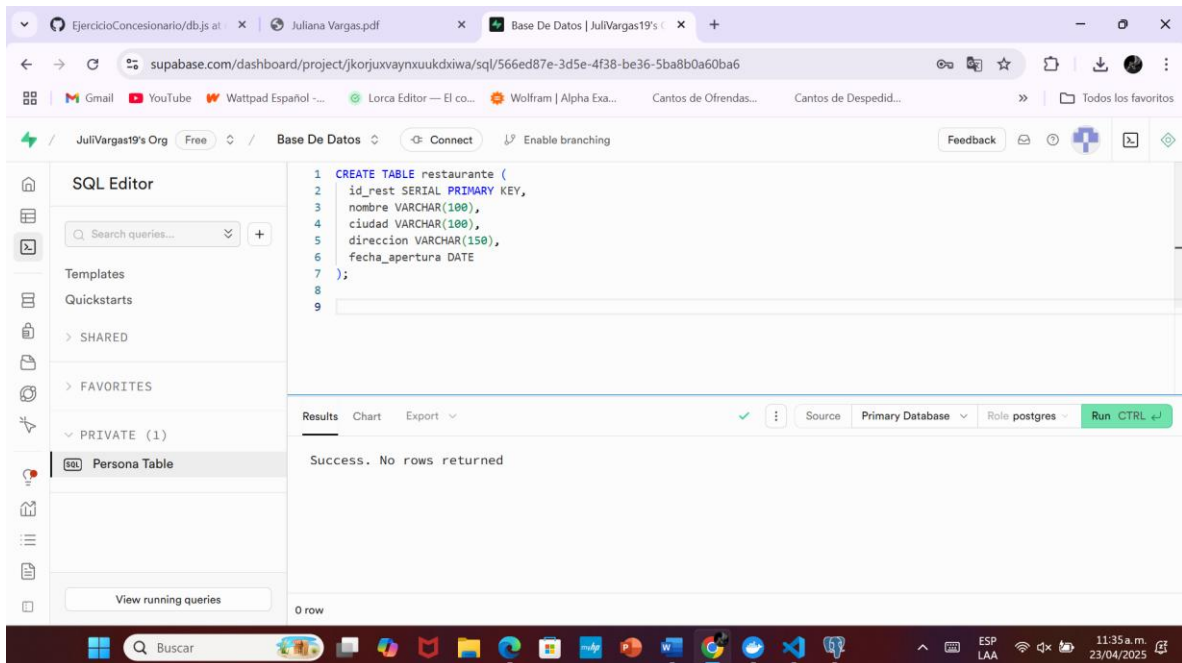
2. Empezaremos a crear los índices y demás para empezar a realizar la conexión



Y crearemos un archivo .env para la conexión



3. Podemos empezar a crear nuestras tablas en supabase



Supabase SQL Editor interface showing the creation of a table named `empleado`.

SQL Editor:

```
1 CREATE TABLE empleado (  
2   id_empleado SERIAL PRIMARY KEY,  
3   nombre VARCHAR(100),  
4   rol VARCHAR(50),  
5   id_rest INTEGER REFERENCES restaurante(id_rest)  
6 );  
7
```

Results: Success. No rows returned. 0 row

Database Structure: PERSONA Table

Taskbar: Windows 11 taskbar showing the time as 11:40 a.m. on 23/04/2025.

Supabase SQL Editor interface showing the creation of a table named `producto`.

SQL Editor:

```
1 CREATE TABLE producto (  
2   id_prod SERIAL PRIMARY KEY,  
3   nombre VARCHAR(100),  
4   precio NUMERIC(10,2)  
5 );  
6  
7
```

Results: Success. No rows returned. 0 row

Database Structure: PERSONA Table

Taskbar: Windows 11 taskbar showing the time as 11:41 a.m. on 23/04/2025.

Supabase SQL Editor interface showing the creation of a table named `pedido`.

SQL Editor:

```
1 CREATE TABLE pedido (  
2   id_pedido SERIAL PRIMARY KEY,  
3   fecha DATE,  
4   id_rest INTEGER REFERENCES restaurante(id_rest),  
5   total NUMERIC(10,2)  
6 );  
7
```

Results: Success. No rows returned

Database: Primary Database

Role: postgres

Run: Run CTRL ↵

Table: Persona Table

View running queries: 0 row

Supabase SQL Editor interface showing the creation of a table named `detalle_pedido`.

SQL Editor:

```
1 CREATE TABLE detalle_pedido (  
2   id_detalle SERIAL PRIMARY KEY,  
3   id_pedido INTEGER REFERENCES pedido(id_pedido),  
4   id_prod INTEGER REFERENCES producto(id_prod),  
5   cantidad INTEGER,  
6   subtotal NUMERIC(10,2)  
7 );  
8
```

Results: Success. No rows returned

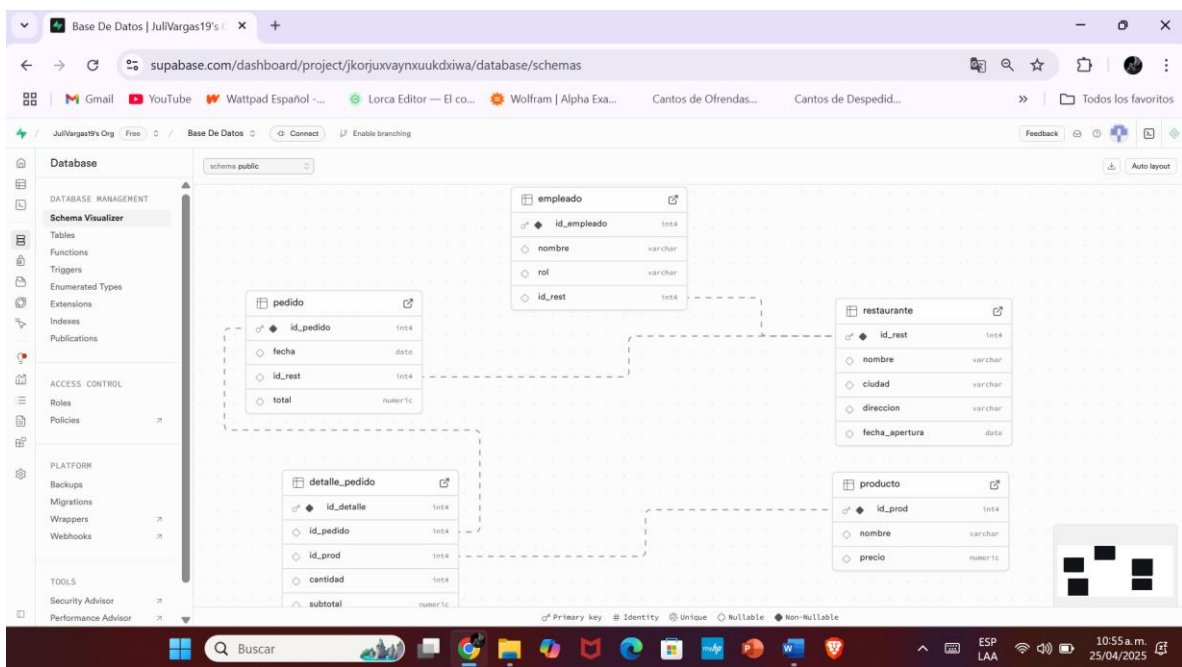
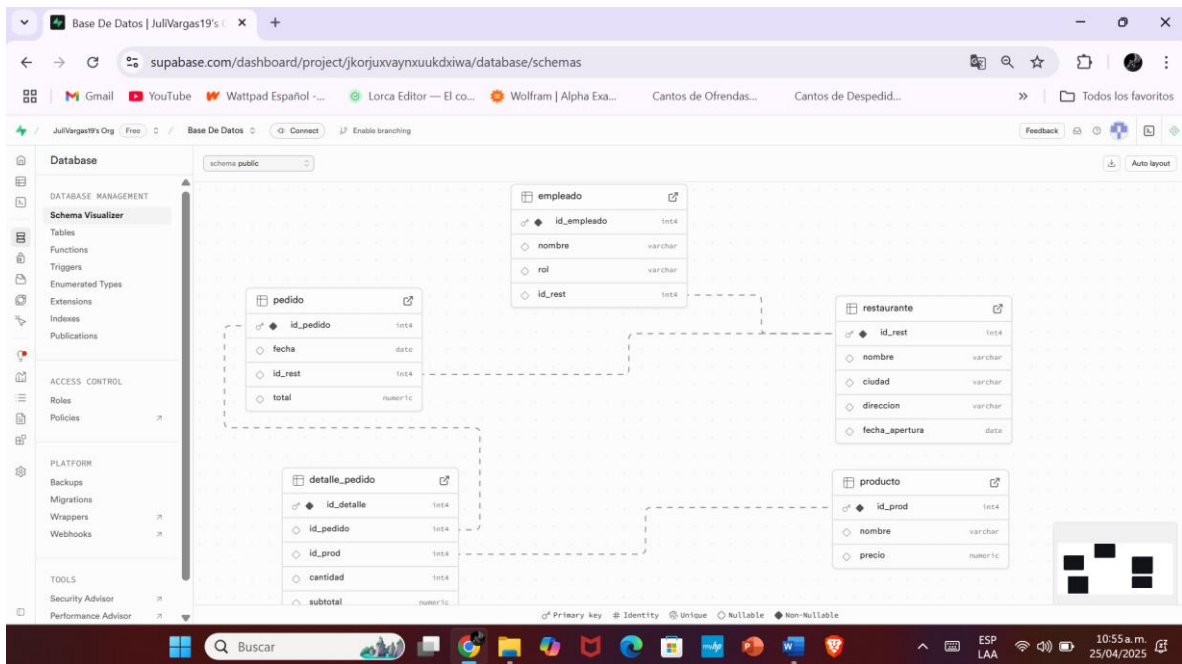
Database: Primary Database

Role: postgres

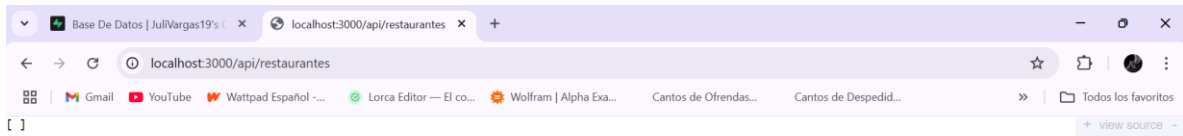
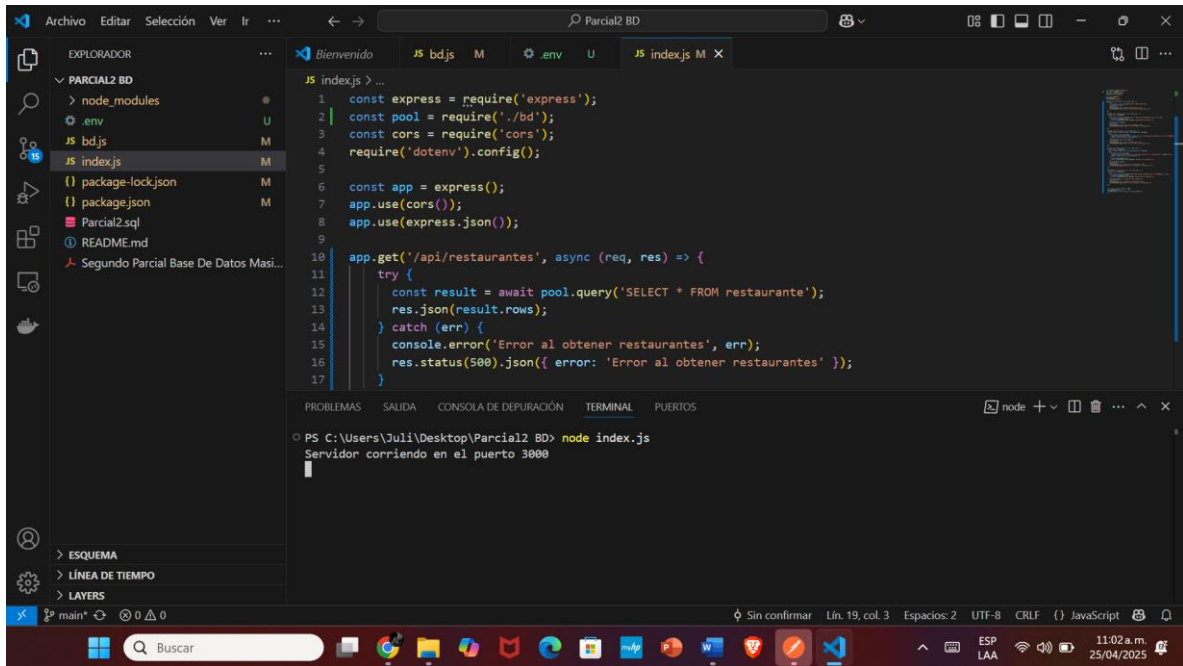
Run: Run CTRL ↵

Table: Persona Table

View running queries: 0 row



4. Una vez las tablas creadas empezaremos a realizar el crud de cada tabla empezando por restaurantes



Home Workspaces API Network Search Postman Ctrl K Invite Upgrade

My Workspace New Import Overview GET Get dati GET POST Post da GET Restaurar POST Post dat No environment

Collections + Partial2Bd

Environments GET Restaurante

Flows POST Post data Restaurante

History PUT Update data

DEL Delete data

ProjectoExpress

Partial2Bd / Restaurante Save Share

GET http://localhost:3000/api/restaurantes Send

Params Authorization Headers (7) Body Scripts Settings Cookies

Query Params

Key	Value	Description	Bulk Edit
Key	Value	Description	

Body Cookies Headers (8) Test Results 200 OK 1.74 s 403 B Save Response

{ } JSON Preview Visualize

```
1 [
2   {
3     "id_rest": 1,
4     "nombre": "Pizza World",
5     "ciudad": "Bogotá",
6     "direccion": "Av Siempre Viva 123",
7     "fecha_apertura": "2024-04-24T05:00:00.000Z"
8   }
]
```

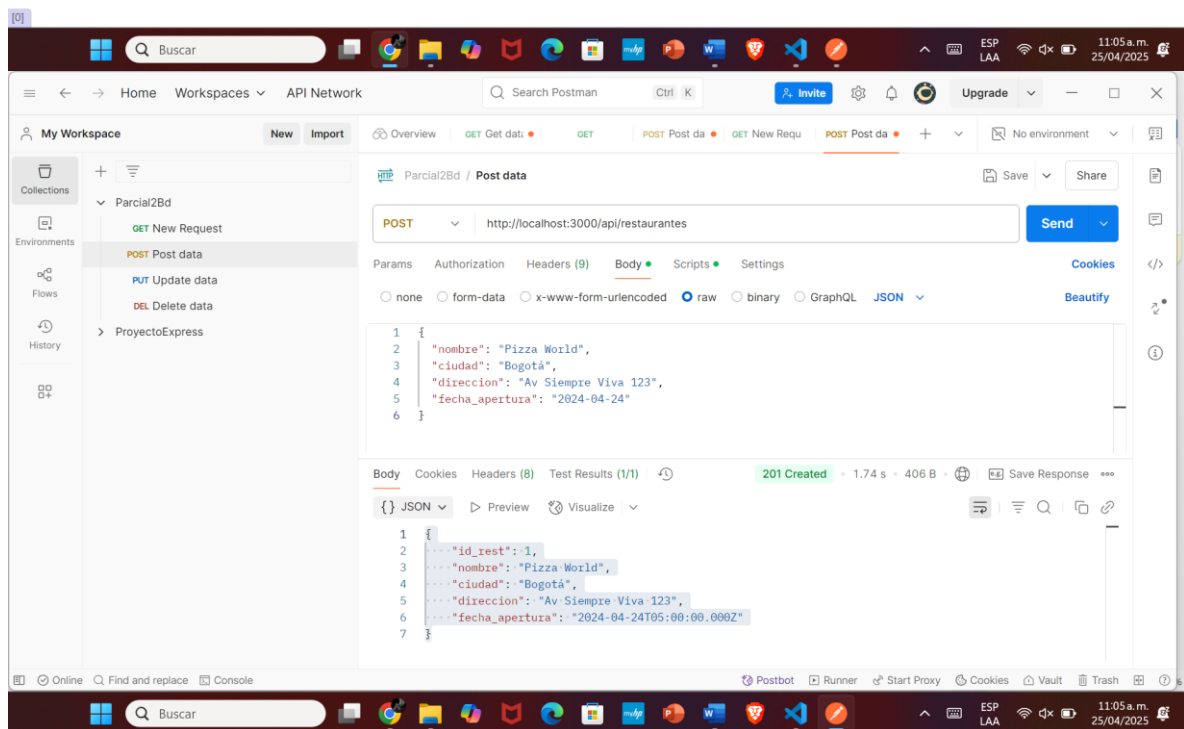
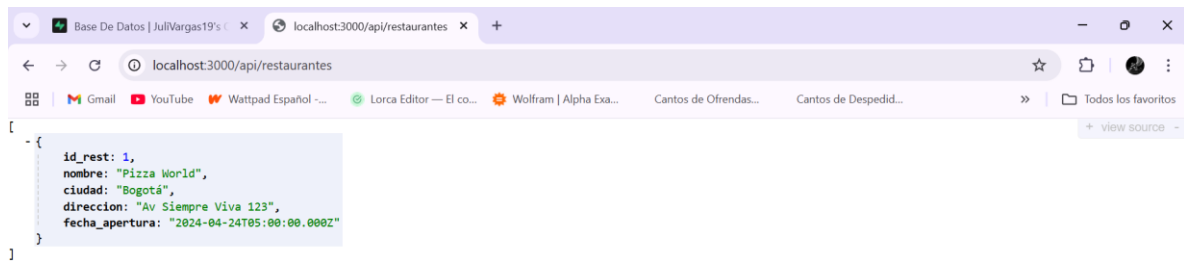
Postbot Runner Start Proxy Cookies Vault Trash

Online Find and replace Console

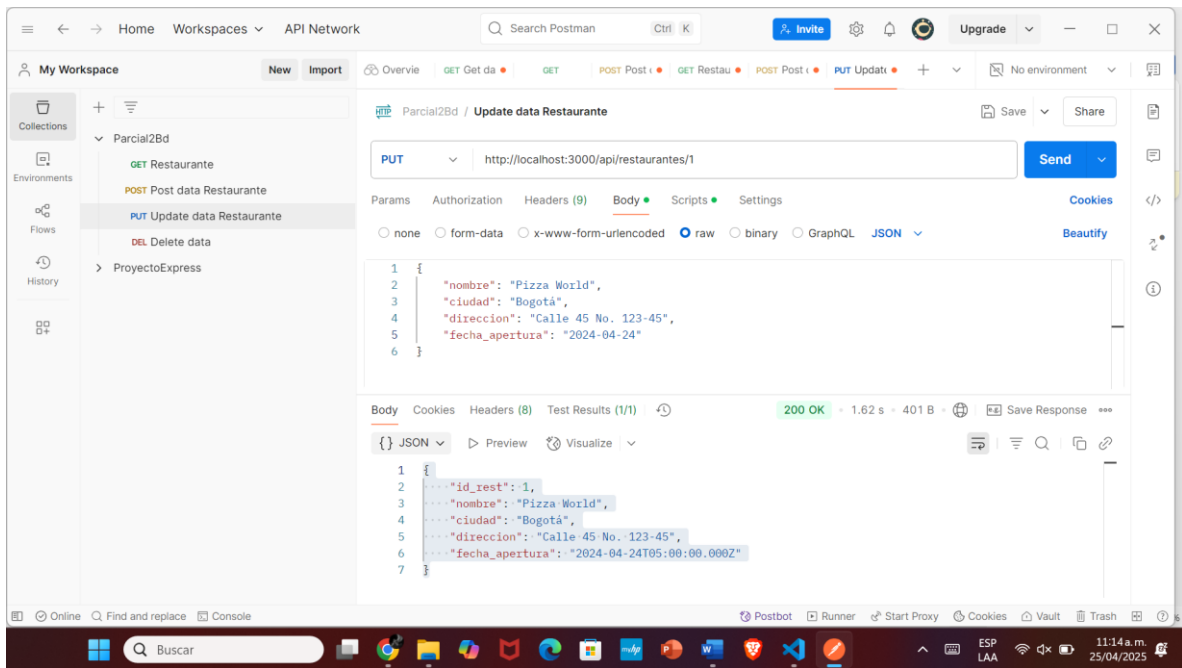
Buscar

ESP LAA 11:06 a.m. 25/04/2025

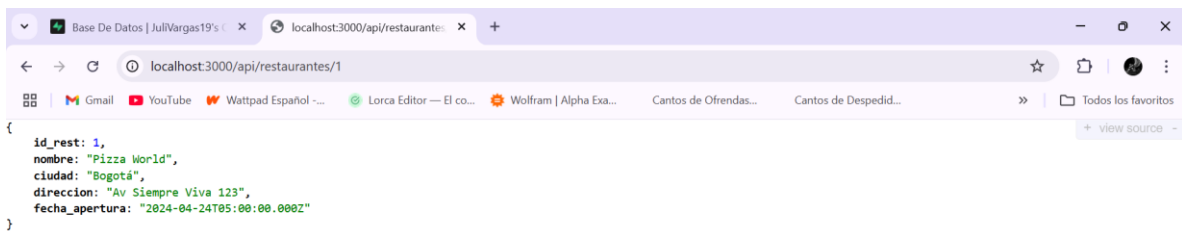
POST



Update

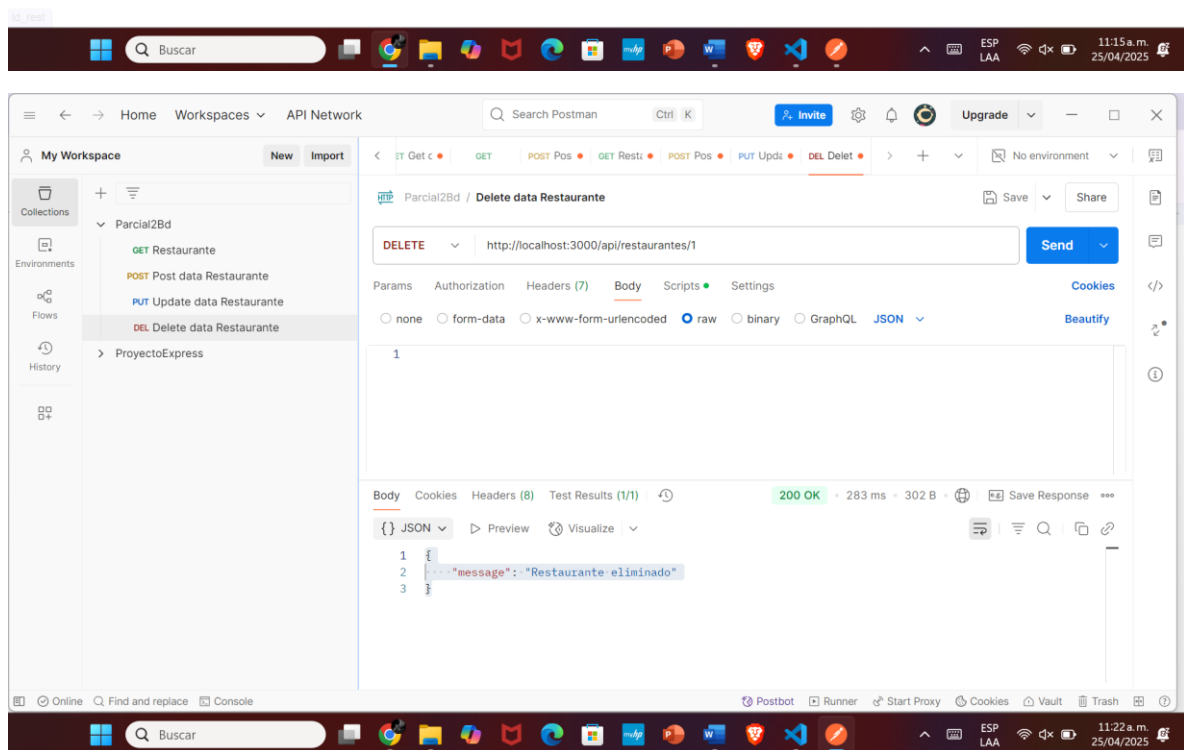


Sin actualizar



Actualizado

```
{
  id_rest: 1,
  nombre: "Pizza World",
  ciudad: "Bogotá",
  direccion: "Calle 45 No. 123-45",
  fecha_apertura: "2024-04-24T05:00:00.000Z"
}
```



5. Seguimos con el crud de empleados

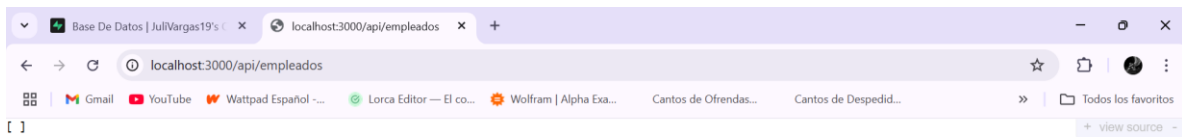
Visual Studio Code interface showing a project named "Parcial2 BD". The Explorer sidebar on the left lists files: node_modules, .env, JS bdjs, JS indexjs, package-lock.json, package.json, Parcial2.sql, README.md, and Segundo Parcial Base De Datos Masi... The main editor displays the file "JS indexjs" with the following code:

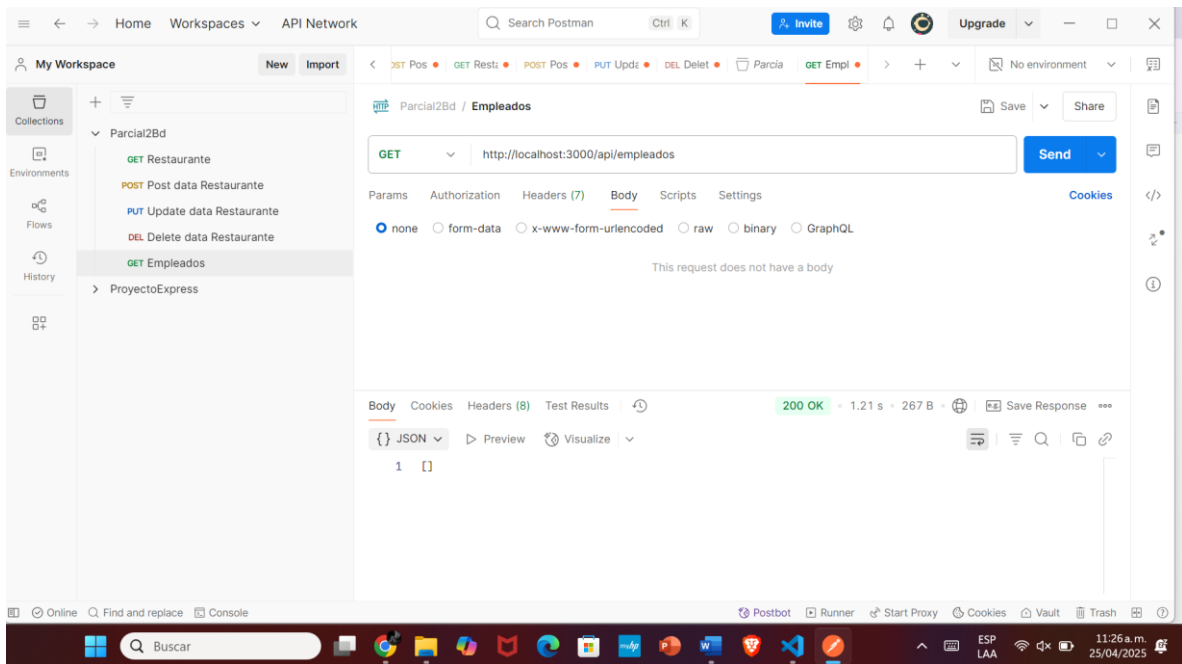
```
66 app.delete('/api/restaurantes/:id', async (req, res) => {
67   // ...
68 });
69
70 app.get('/api/empleados', async (req, res) => {
71   const result = await pool.query('SELECT * FROM empleado');
72   res.json(result.rows);
73 });
74
75 app.post('/api/empleados', async (req, res) => {
76   const { nombre, rol, id_rest } = req.body;
77   const result = await pool.query(
78     'INSERT INTO empleado (nombre, rol, id_rest) VALUES ($1, $2, $3) RETURNING *',
79     [nombre, rol, id_rest]
80   );
81   res.status(201).json(result.rows[0]);
82 });
83
84
```

The bottom panel shows the TERMINAL with the following output:

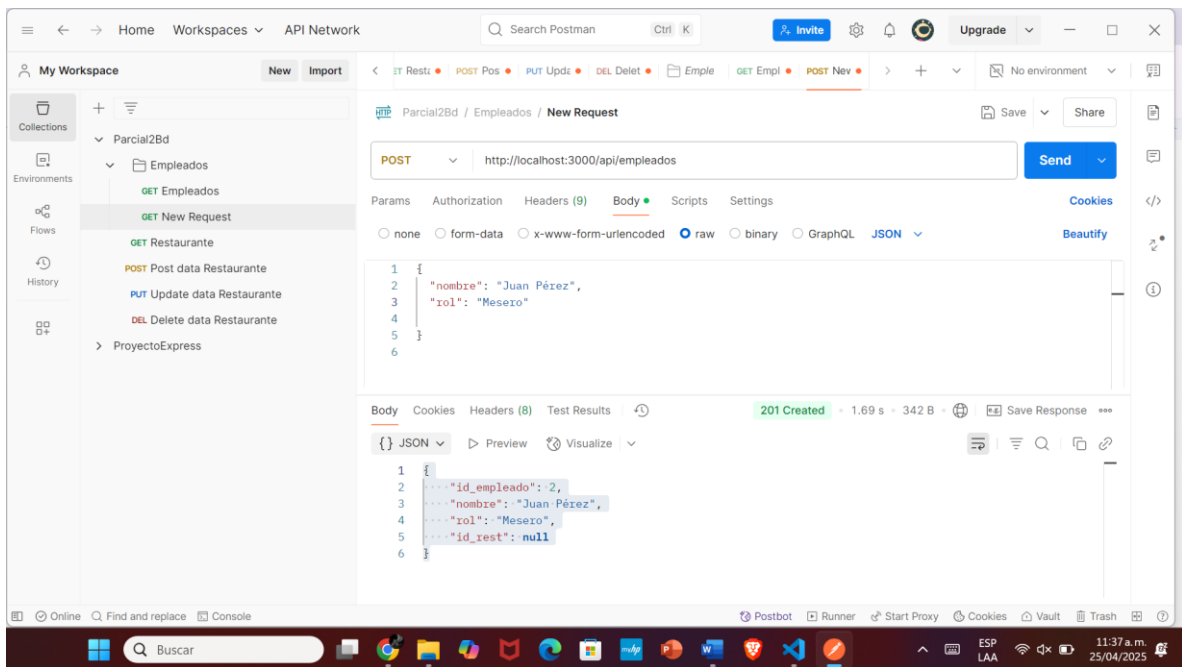
```
at invokeCallback (C:\Users\Juli\Desktop\Parcial2 BD\node_modules\raw-body\index.js:238:16)
at done (C:\Users\Juli\Desktop\Parcial2 BD\node_modules\raw-body\index.js:227:7)
at IncomingMessage.onEnd (C:\Users\Juli\Desktop\Parcial2 BD\node_modules\raw-body\index.js:287:7)
at IncomingMessage.emit (node:events:518:28)
at endReadableNT (node:internal/streams/readable:1698:12)
at process.processTicksAndRejections (node:internal/process/task_queues:90:21)
PS C:\Users\Juli\Desktop\Parcial2 BD> node index.js
Servidor corriendo en el puerto 3000
PS C:\Users\Juli\Desktop\Parcial2 BD> node index.js
Servidor corriendo en el puerto 3000
```

The Windows taskbar at the bottom shows the system clock as 11:24 a.m. on 25/04/2025.





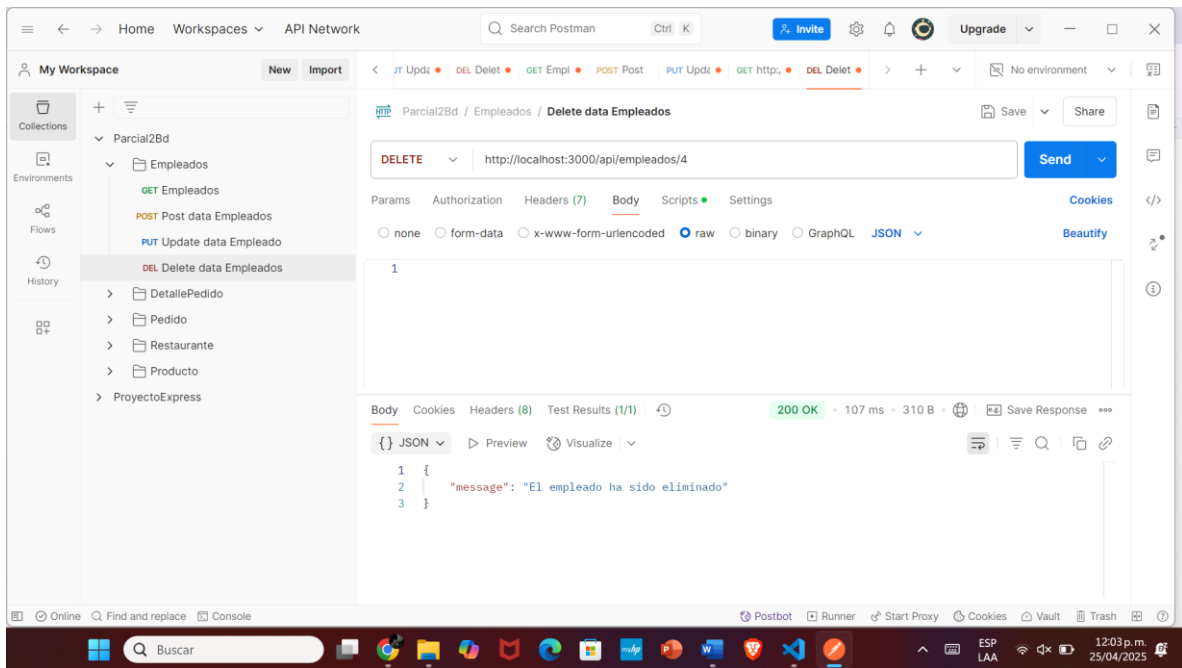
POST



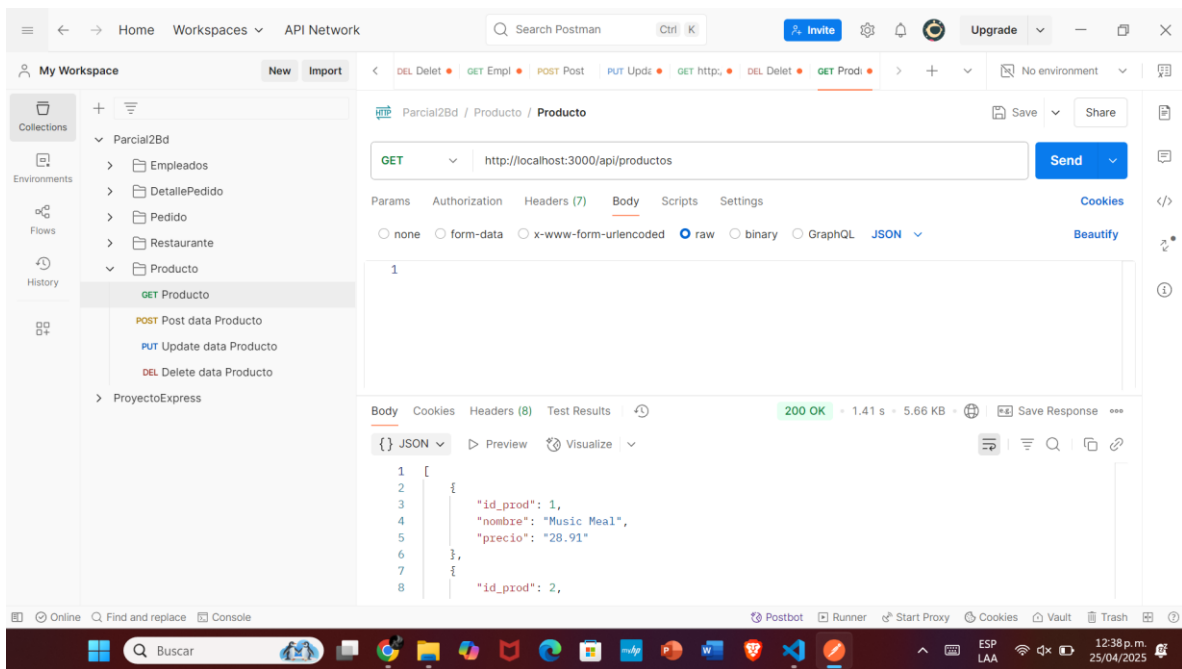

```
Base De Datos | JuliVargas19's < x localhost:3000/api/empleados x +
localhost:3000/api/empleados
[
  {
    id_empleado: 2,
    nombre: "Juan Pérez",
    rol: "Mesero",
    id_rest: null
  },
  {
    id_empleado: 3,
    nombre: "María López",
    rol: "Chef",
    id_rest: 2
  }
]
```

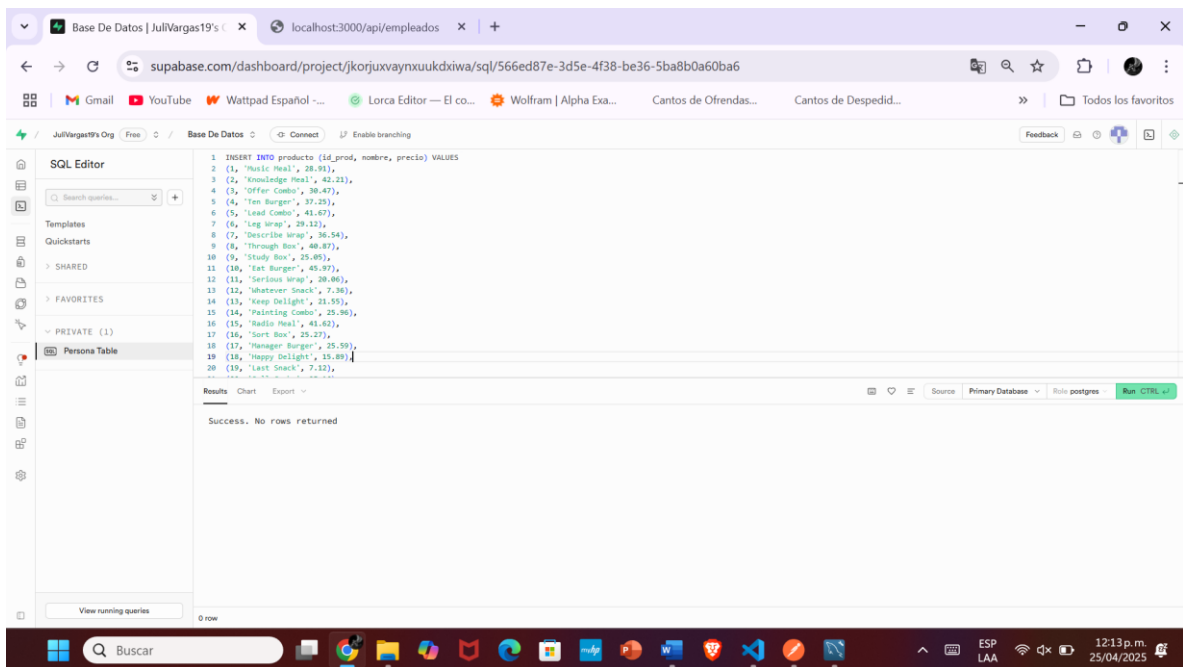
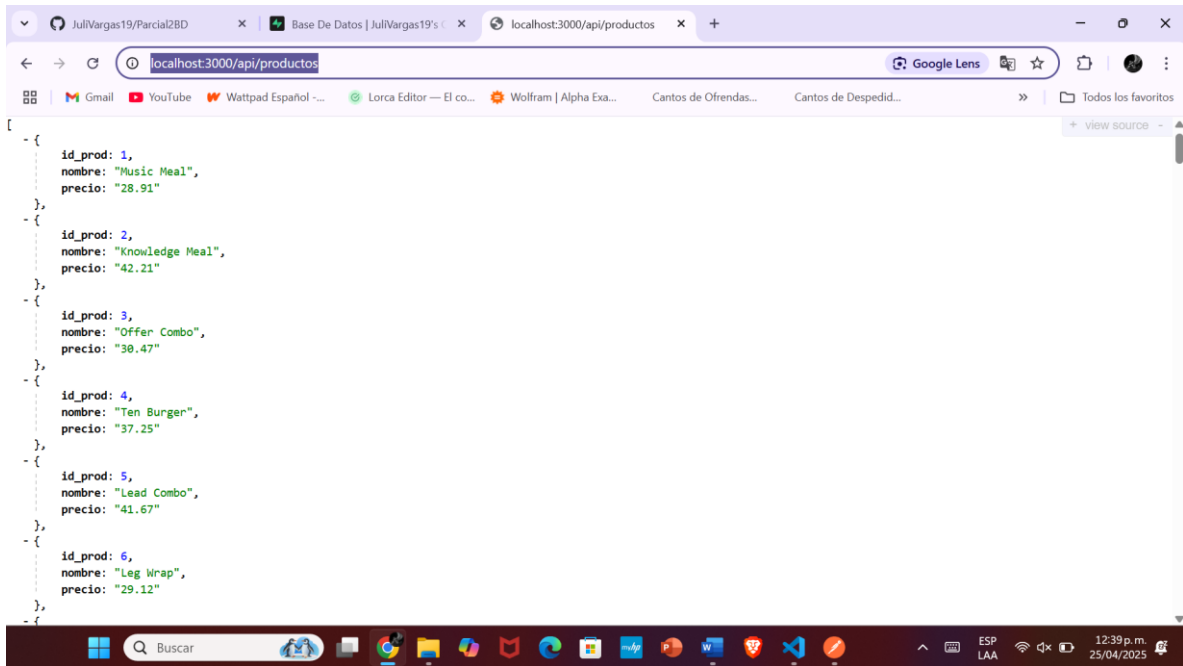
```
Base De Datos | JuliVargas19's < x localhost:3000/api/empleados/ x +
localhost:3000/api/empleados/4
{
  id_empleado: 4,
  nombre: "María López",
  rol: "Chef",
  id_rest: 2
}
```





6. Seguimos con producto





Base De Datos | JuliVargas19's x localhost:3000/api/empleados x +

supabase.com/dashboard/project/jkorjuxvaynxuukdxiwa/sql/566ed87e-3d5e-4f38-be36-5ba8b0a60ba6

SQL Editor

```
1 INSERT INTO pedido (id_pedido, fecha, id_rest, total) VALUES (1, '2023-11-30', 8, 27892.82);
2 INSERT INTO pedido (id_pedido, fecha, id_rest, total) VALUES (2, '2023-04-08', 3, 84395.85);
3 INSERT INTO pedido (id_pedido, fecha, id_rest, total) VALUES (3, '2023-04-24', 7, 91693.42);
4 INSERT INTO pedido (id_pedido, fecha, id_rest, total) VALUES (4, '2023-06-22', 7, 97866.53);
5 INSERT INTO pedido (id_pedido, fecha, id_rest, total) VALUES (5, '2023-07-25', 9, 13605.41);
6 INSERT INTO pedido (id_pedido, fecha, id_rest, total) VALUES (6, '2023-07-09', 7, 14766.23);
7 INSERT INTO pedido (id_pedido, fecha, id_rest, total) VALUES (7, '2023-06-10', 2, 28365.91);
8 INSERT INTO pedido (id_pedido, fecha, id_rest, total) VALUES (8, '2023-05-30', 16, 22136.11);
9 INSERT INTO pedido (id_pedido, fecha, id_rest, total) VALUES (9, '2023-05-17', 8, 64927.24);
10 INSERT INTO pedido (id_pedido, fecha, id_rest, total) VALUES (10, '2023-10-26', 5, 15917.63);
11 INSERT INTO pedido (id_pedido, fecha, id_rest, total) VALUES (11, '2023-01-07', 5, 49764.97);
12 INSERT INTO pedido (id_pedido, fecha, id_rest, total) VALUES (12, '2023-03-13', 4, 74228.08);
13 INSERT INTO pedido (id_pedido, fecha, id_rest, total) VALUES (13, '2023-01-02', 9, 91484.52);
14 INSERT INTO pedido (id_pedido, fecha, id_rest, total) VALUES (14, '2023-07-06', 5, 54719.47);
15 INSERT INTO pedido (id_pedido, fecha, id_rest, total) VALUES (15, '2023-11-02', 2, 68790.47);
16 INSERT INTO pedido (id_pedido, fecha, id_rest, total) VALUES (16, '2023-07-30', 5, 34179.18);
17 INSERT INTO pedido (id_pedido, fecha, id_rest, total) VALUES (17, '2023-10-25', 3, 33881.37);
18 INSERT INTO pedido (id_pedido, fecha, id_rest, total) VALUES (18, '2023-05-16', 10, 43629.30);
19 INSERT INTO pedido (id_pedido, fecha, id_rest, total) VALUES (19, '2023-11-14', 3, 87256.17);
20 INSERT INTO pedido (id_pedido, fecha, id_rest, total) VALUES (20, '2023-08-29', 9, 91815.35);
```

Results Chart Export

Success. No rows returned

View running queries 0 row

Base De Datos | JuliVargas19's x localhost:3000/api/empleados x +

supabase.com/dashboard/project/jkorjuxvaynxuukdxiwa/sql/566ed87e-3d5e-4f38-be36-5ba8b0a60ba6

SQL Editor

```
1 INSERT INTO detalle_pedido (id_detalle, id_pedido, id_gro, cantidad, subtotal) VALUES (1, 1, 50, 1, 4138.35);
2 INSERT INTO detalle_pedido (id_detalle, id_pedido, id_gro, cantidad, subtotal) VALUES (2, 1, 22, 5, 61918.55);
3 INSERT INTO detalle_pedido (id_detalle, id_pedido, id_gro, cantidad, subtotal) VALUES (3, 2, 45, 3, 19181.81);
4 INSERT INTO detalle_pedido (id_detalle, id_pedido, id_gro, cantidad, subtotal) VALUES (4, 2, 47, 1, 12397.60);
5 INSERT INTO detalle_pedido (id_detalle, id_pedido, id_gro, cantidad, subtotal) VALUES (5, 2, 16, 2, 22879.44);
6 INSERT INTO detalle_pedido (id_detalle, id_pedido, id_gro, cantidad, subtotal) VALUES (6, 2, 29, 3, 51042.6);
7 INSERT INTO detalle_pedido (id_detalle, id_pedido, id_gro, cantidad, subtotal) VALUES (7, 2, 35, 5, 51891.8);
8 INSERT INTO detalle_pedido (id_detalle, id_pedido, id_gro, cantidad, subtotal) VALUES (8, 3, 47, 1, 5948.38);
9 INSERT INTO detalle_pedido (id_detalle, id_pedido, id_gro, cantidad, subtotal) VALUES (9, 3, 23, 2, 38378.2);
10 INSERT INTO detalle_pedido (id_detalle, id_pedido, id_gro, cantidad, subtotal) VALUES (10, 4, 36, 5, 76239.5);
11 INSERT INTO detalle_pedido (id_detalle, id_pedido, id_gro, cantidad, subtotal) VALUES (11, 4, 5, 1, 9682.11);
12 INSERT INTO detalle_pedido (id_detalle, id_pedido, id_gro, cantidad, subtotal) VALUES (12, 4, 24, 4, 42397.96);
13 INSERT INTO detalle_pedido (id_detalle, id_pedido, id_gro, cantidad, subtotal) VALUES (13, 5, 38, 4, 29181.28);
14 INSERT INTO detalle_pedido (id_detalle, id_pedido, id_gro, cantidad, subtotal) VALUES (14, 5, 38, 5, 38379.3);
15 INSERT INTO detalle_pedido (id_detalle, id_pedido, id_gro, cantidad, subtotal) VALUES (15, 5, 28, 1, 15821.21);
16 INSERT INTO detalle_pedido (id_detalle, id_pedido, id_gro, cantidad, subtotal) VALUES (16, 5, 48, 1, 4144.86);
17 INSERT INTO detalle_pedido (id_detalle, id_pedido, id_gro, cantidad, subtotal) VALUES (17, 6, 49, 4, 24442.22);
18 INSERT INTO detalle_pedido (id_detalle, id_pedido, id_gro, cantidad, subtotal) VALUES (18, 6, 9, 5, 62083.95);
19 INSERT INTO detalle_pedido (id_detalle, id_pedido, id_gro, cantidad, subtotal) VALUES (19, 6, 19, 5, 78992.1);
20 INSERT INTO detalle_pedido (id_detalle, id_pedido, id_gro, cantidad, subtotal) VALUES (20, 6, 41, 5, 25424.25);
```

Results Chart Export

Success. No rows returned

View running queries 0 row