



UNIVERSIDAD AUTÓNOMA DE CHIAPAS

FACULTAD DE CONTADURÍA Y ADMINISTRACIÓN CAMPUS I

**LICENCIATURA EN INGENIERÍA EN DESARROLLO Y TECNOLOGÍAS DE
SOFTWARE**

SEXTO SEMESTRE GRUPO "O"

TALLER DE DESARROLLO 4

EXAMEN

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TUXTLA GUTIERREZ, CHIAPAS

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```
joan@DESKTOP-MKQVVRV: /home/Taller4
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

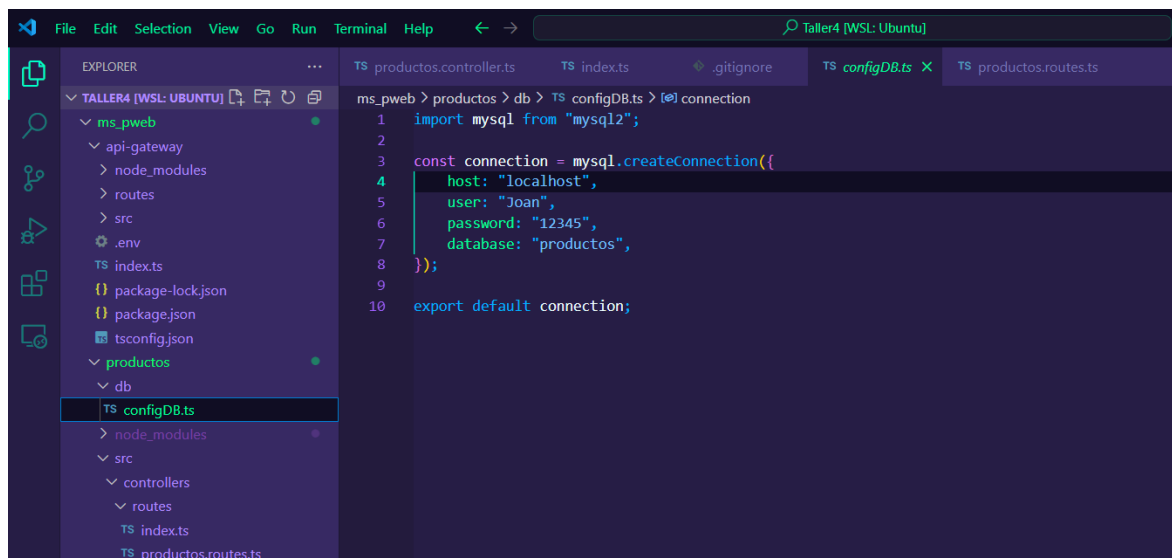
mysql> CREATE USER 'Joan'@'localhost' IDENTIFIED BY '12345';
Query OK, 0 rows affected (0.03 sec)

mysql> CREATE DATABASE productos;
Query OK, 1 row affected (0.03 sec)

mysql> USE productos;
Database changed
mysql> CREATE TABLE producto (
  ->   id INT UNSIGNED NOT NULL AUTO_INCREMENT PRIMARY KEY,
  ->   nombre VARCHAR(50),
  ->   precio DECIMAL(8, 2),
  ->   descripcion VARCHAR(100),
  ->   categoria VARCHAR(50)
  -> );
Query OK, 0 rows affected (0.04 sec)

mysql> INSERT INTO producto (nombre, precio, descripcion, categoria)
  -> VALUES ("Honda CB650R", 180000, "Moto deportiva de alto rendimiento", "Motocicletas");
Query OK, 1 row affected (0.02 sec)

mysql> SELECT * FROM producto;
+-----+-----+-----+-----+-----+
| id | nombre      | precio | descripcion                                | categoria |
+-----+-----+-----+-----+-----+
| 1  | Honda CB650R | 180000.00 | Moto deportiva de alto rendimiento | Motocicletas |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```



VS Code interface showing the Explorer and Editor views. The Explorer view displays the project structure:

- TALLER4 [WSL: UBUNTU]
 - ms_pweb
 - api-gateway
 - node_modules
 - routes
 - src
 - .env
 - TS index.ts
 - package-lock.json
 - package.json
 - tsconfig.json
 - productos
 - db

The Editor view shows the file `TS index.ts` with the following code:

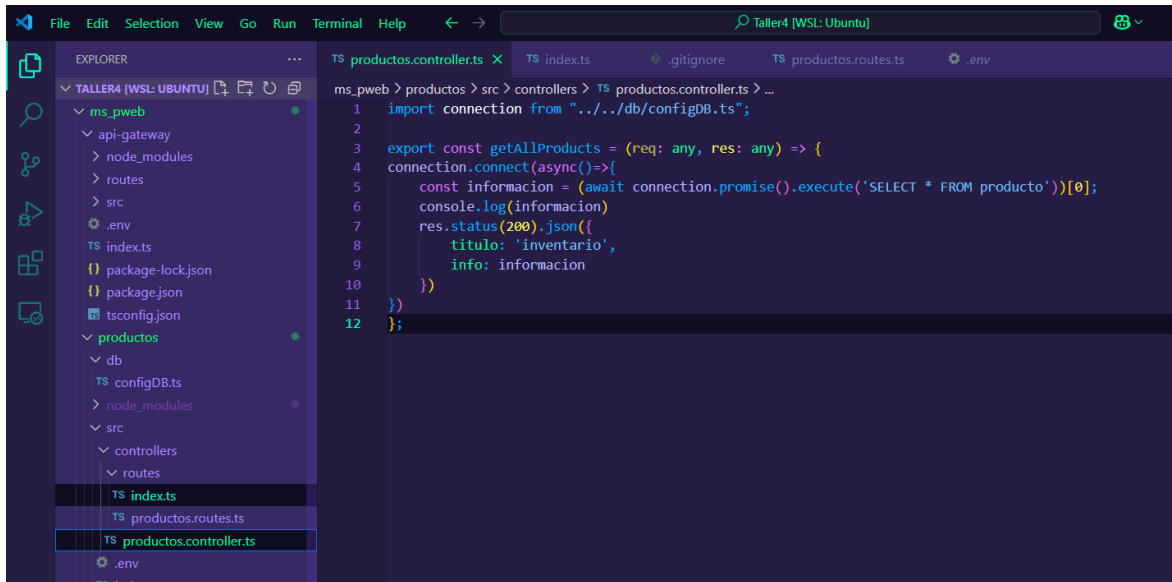
```
1 export {default as db} from './productos.routes.ts'
```

VS Code interface showing the Explorer and Editor views. The Explorer view displays the project structure:

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 - package-lock.json
 - package.json
 - tsconfig.json
 - productos
 - db
 - TS configDB.ts
 - node_modules
 - src
 - controllers
 - routes
 - TS index.ts
 - TS productos.routes.ts

The Editor view shows the file `TS productos.routes.ts` with the following code:

```
1 import { Router } from "express";
2 import { getAllProducts } from "../productos.controller.ts";
3
4 const ruta = Router();
5 ruta.get('/all', getAllProducts);
6 export default ruta;
```



The screenshot shows the Visual Studio Code editor interface. On the left, the Explorer sidebar displays the project structure for 'ms_pweb', including folders like 'api-gateway', 'node_modules', 'routes', 'src', and 'productos'. The 'productos' folder is expanded, showing 'db', 'src', and 'controllers'. The 'controllers' folder is further expanded, showing 'index.ts' and 'productos.controller.ts', which is currently selected. The main editor area shows the code for 'productos.controller.ts'. The code imports a 'connection' from a database configuration file and defines a 'getAllProducts' function that connects to the database, executes a SQL query to select all products, and returns the results as a JSON response with a status of 200.

```
ms_pweb > productos > src > controllers > TS productos.controller.ts > ...
1  import connection from "../../db/configDB.ts";
2
3  export const getAllProducts = (req: any, res: any) => {
4    connection.connect(async()=>{
5      const informacion = (await connection.promise().execute('SELECT * FROM producto'))[0];
6      console.log(informacion)
7      res.status(200).json({
8        titulo: 'inventario',
9        info: informacion
10     })
11   })
12   };
```

