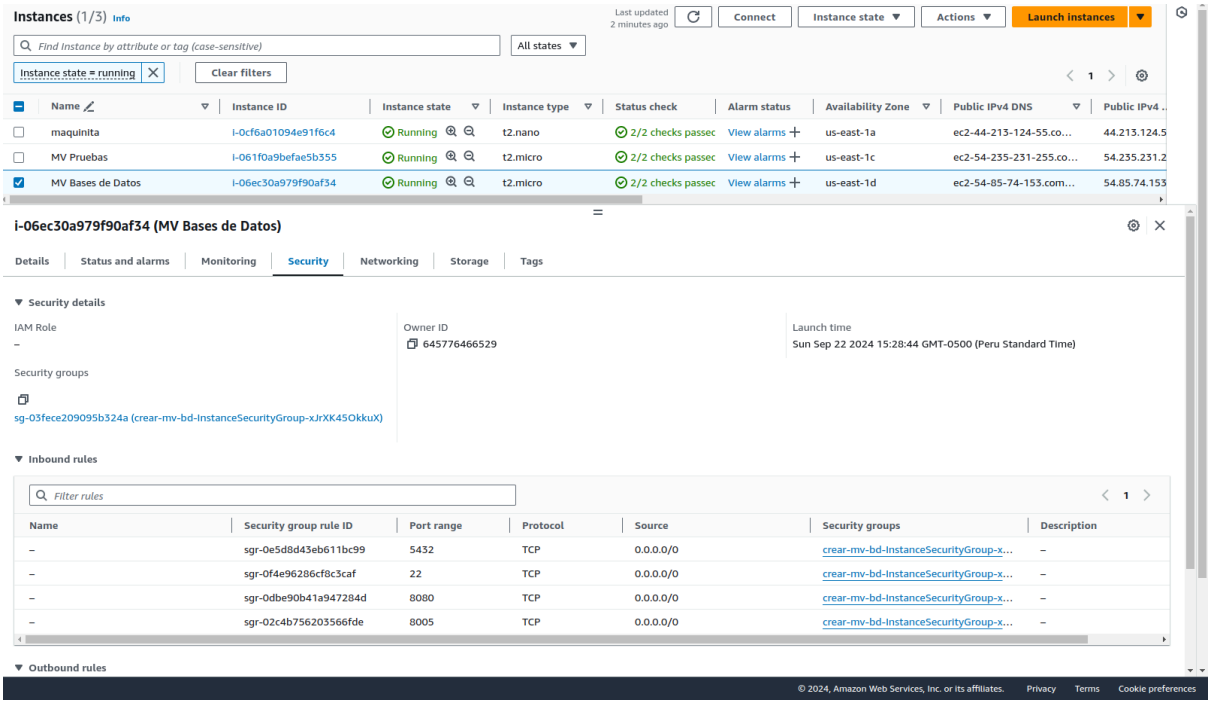
Dado que PSQL se aloja en el puerto 5432, abrir el puerto 5432 en la `MV Bases de Datos`.



Ejecutar `docker run –name mypostgres_c -p 5432:5432 -e POSTGRES_PASSWORD=postgres -d postgres` para pullear y crear un contenedor de PostgreSQL mapeando el puerto 5432 de la VM al puerto 5432 que es donde PSQL se aloja en el container. Asimismo ingresar a la bash en modo interactivo y usar el comando `psql -U postgres` para ingresar a la terminal de postgres y crear la primera BD.

```
:~ $ docker run --name mypostgres_c -p 5432:5432 -e POSTGRES_PASSWORD=postgres -d postgres
21707b825bcd9b0a730a437fe7017cf84a653a87e25a44b348b66fdd07644178
:~ $ docker ps -a
CONTAINER ID   IMAGE       COMMAND                  CREATED          STATUS          PORTS                                                  NAMES
21707b825bcd   postgres    "docker-entrypoint.s…"   7 seconds ago    Up 7 seconds    0.0.0.0:5432->5432/tcp, :::5432->5432/tcp              mypostgres_c
f719bf66805e   adminer     "entrypoint.sh php -…"   9 minutes ago    Up 9 minutes    0.0.0.0:8080->8080/tcp, :::8080->8080/tcp              adminer_c
17fdc585bdbd   mysql:8.0   "docker-entrypoint.s…"   13 minutes ago   Up 13 minutes   33060/tcp, 0.0.0.0:8005->3306/tcp, :::8005->3306/tcp   mysql_c
:~ $ docker exec -it mypostgres_c bash
root@21707b825bcd:/# psql -U postgres
psql (16.4 (Debian 16.4-1.pgdg120+1))
Type "help" for help.

postgres=# DROP DATABASE IF EXISTS tienda;
```

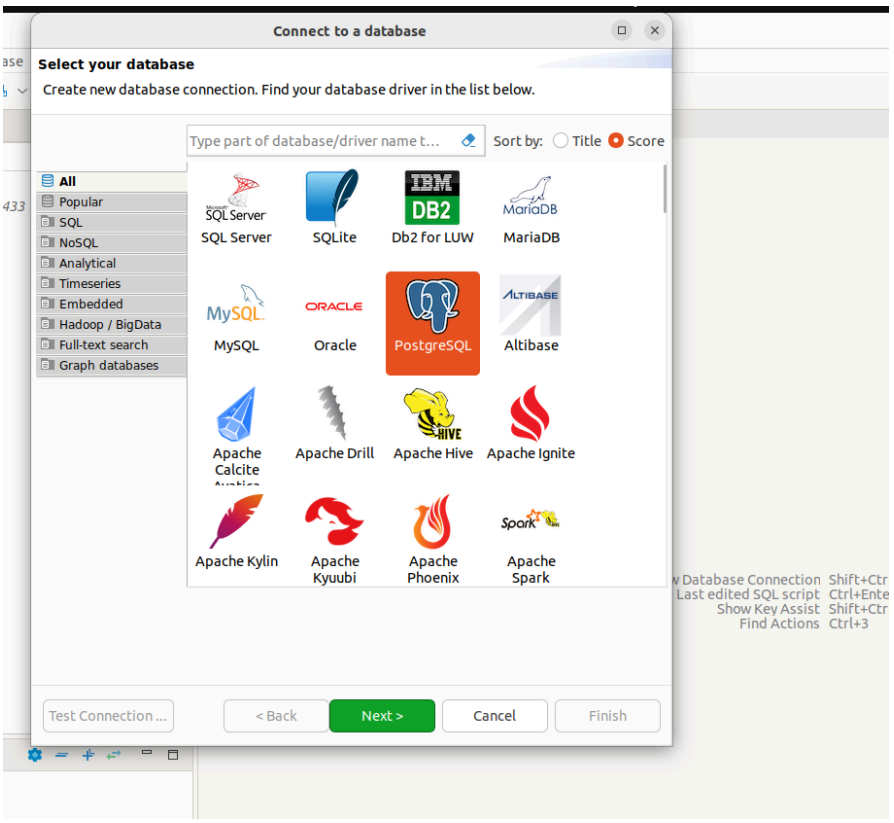
Crear la BD y acceder a la BD desde la terminal con el comando `\c`

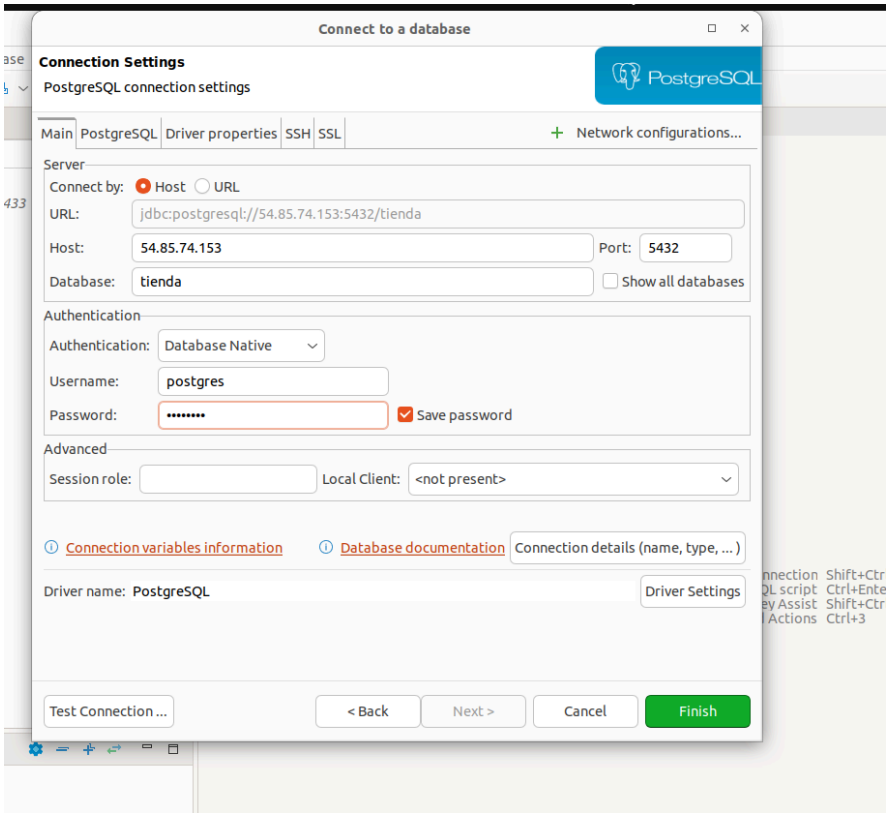
```
postgres=# DROP DATABASE IF EXISTS tienda;
NOTICE:  database "tienda" does not exist, skipping
DROP DATABASE
postgres=# CREATE DATABASE tienda;
CREATE DATABASE
postgres=# USE tienda;
ERROR:  syntax error at or near "USE"
LINE 1: USE tienda;
        ^
postgres=# \c tienda
You are now connected to database "tienda" as user "postgres".
tienda=# CREATE TABLE fabricantes (
```

Crear la tabla fabricantes, insertar registros y verificarlos.

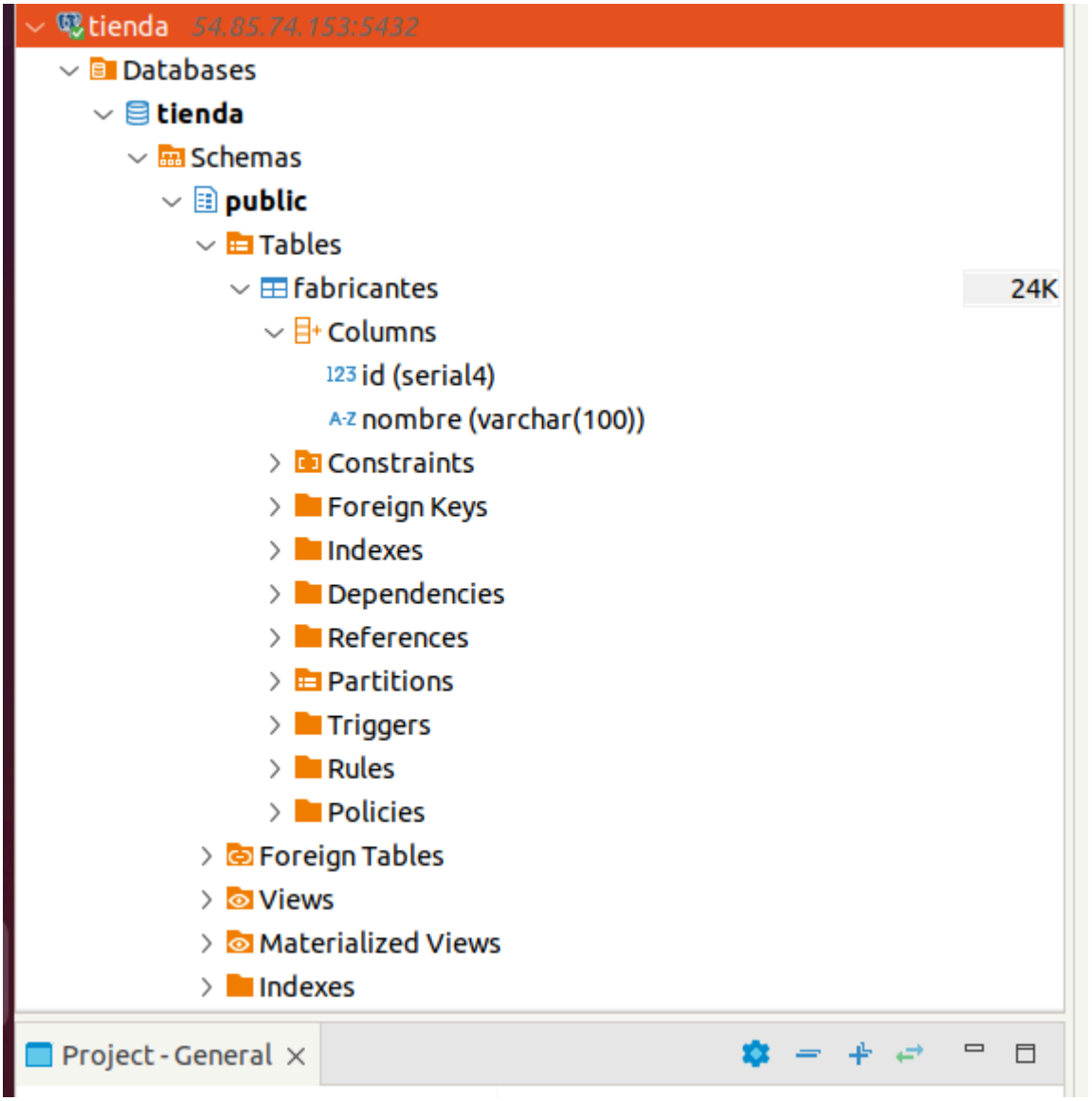
```
tienda=#
CREATE TABLE fabricantes (
    id SERIAL PRIMARY KEY,
    nombre VARCHAR(100) NOT NULL
);
CREATE TABLE
tienda=# INSERT INTO fabricantes(nombre) VALUES('Asus');
INSERT INTO fabricantes(nombre) VALUES('Lenovo');
INSERT INTO fabricantes(nombre) VALUES('Hewlett-Packard');
INSERT INTO fabricantes(nombre) VALUES('Samsung');
INSERT 0 1
INSERT 0 1
INSERT 0 1
INSERT 0 1
tienda=# SELECT * FROM fabricantes;
 id |     nombre
----+-----------------
  1 | Asus
  2 | Lenovo
  3 | Hewlett-Packard
  4 | Samsung
(4 rows)

tienda=#
```

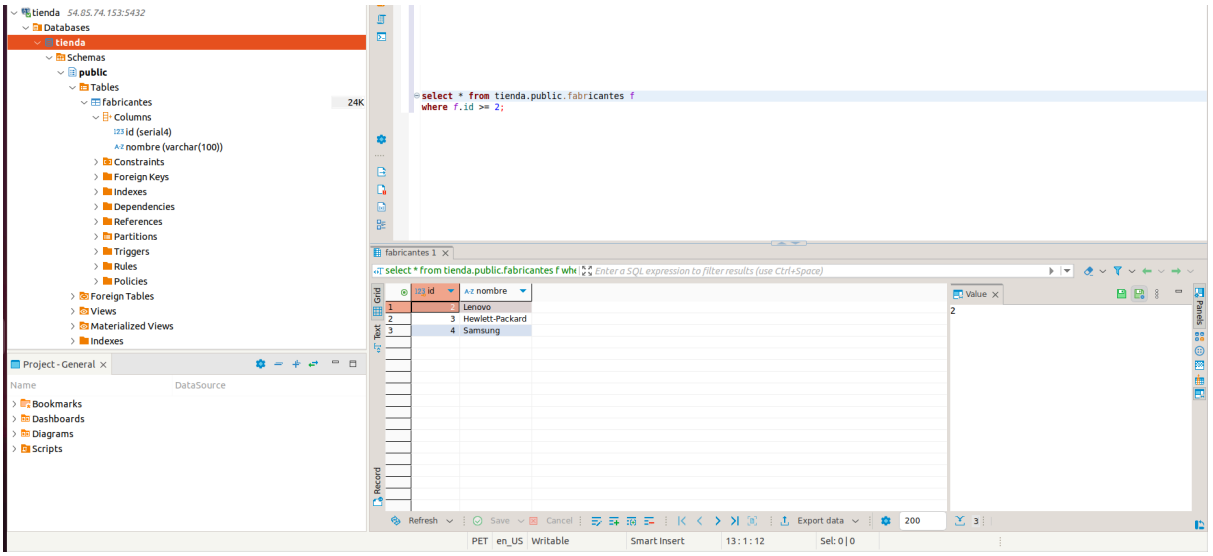
Luego de instalar DBeaver, crear una nueva conexión usando la IP estática apuntando al puerto 5432.



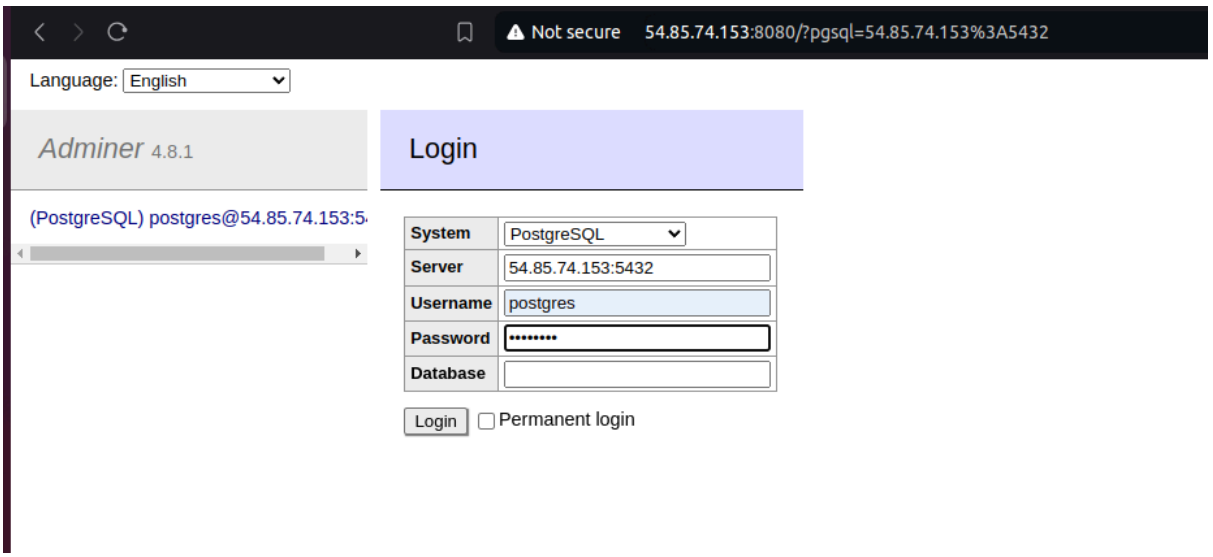


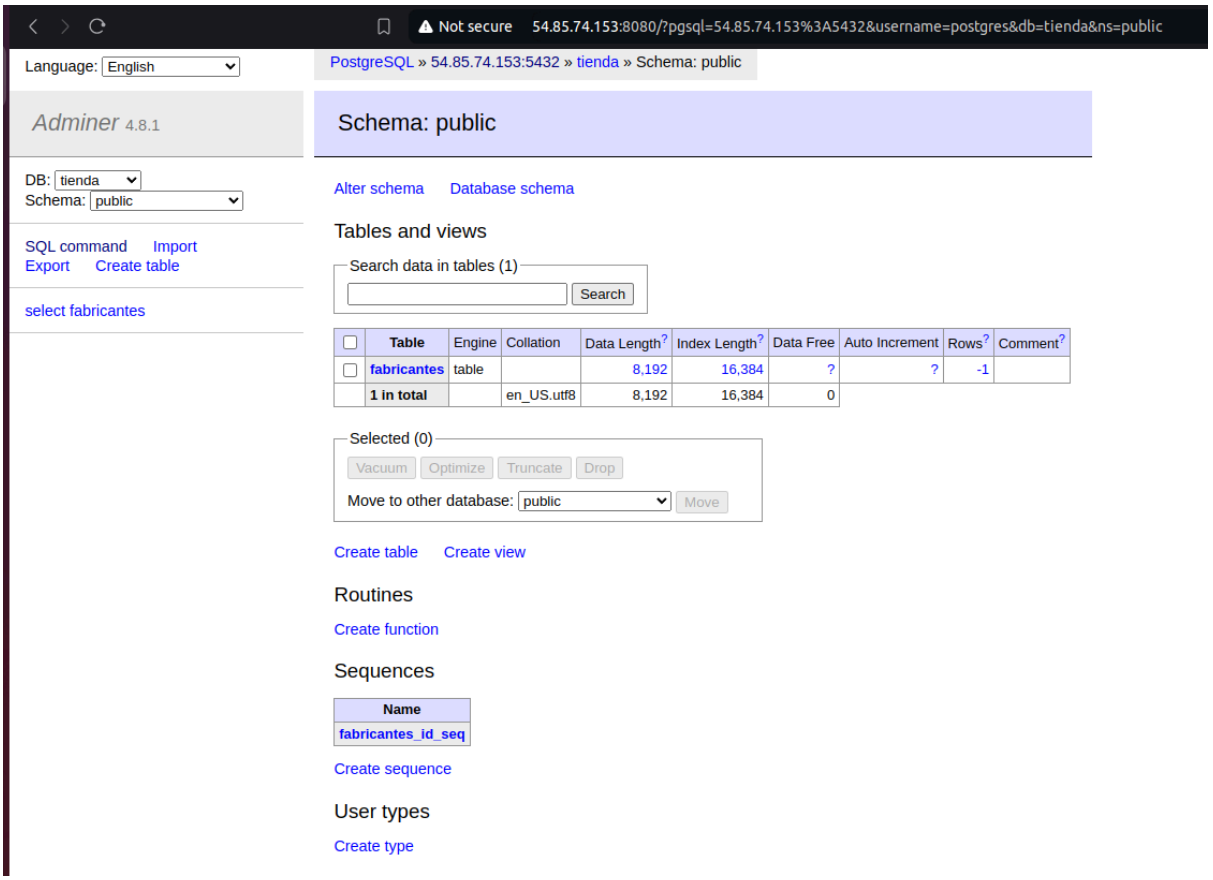
Verificar la conexión exitosa a la BD, y luego ejecutar queries.





Del mismo modo se puede acceder mediante adminer.





Asimismo, se puede validar los logs del container de Adminer.

AWS ● Used $3.7 of $50 03:12 ▶ Start Lab ■ End Lab

```
:~ $ docker logs adminer_c --follow
[Sun Sep 22 21:04:53 2024] PHP 7.4.33 Development Server (http://[::]:8080) started
[Sun Sep 22 21:05:07 2024] [::ffff:190.237.204.118]:54881 Accepted
[Sun Sep 22 21:05:07 2024] [::ffff:190.237.204.118]:54881 [200]: GET /
[Sun Sep 22 21:05:07 2024] [::ffff:190.237.204.118]:54881 Closing
[Sun Sep 22 21:05:07 2024] [::ffff:190.237.204.118]:54895 Accepted
[Sun Sep 22 21:05:19 2024] [::ffff:190.237.204.118]:54895 [302]: POST /
[Sun Sep 22 21:05:19 2024] [::ffff:190.237.204.118]:54895 Closing
[Sun Sep 22 21:05:19 2024] [::ffff:190.237.204.118]:54849 Accepted
[Sun Sep 22 21:06:19 2024] [::ffff:190.237.204.118]:54849 [403]: GET /?server=54.85.74.153%3A5432&username=postgres
[Sun Sep 22 21:06:19 2024] [::ffff:190.237.204.118]:54849 Closing
[Sun Sep 22 21:06:19 2024] [::ffff:190.237.204.118]:54858 Accepted
[Sun Sep 22 21:06:19 2024] [::ffff:190.237.204.118]:54798 Accepted
[Sun Sep 22 21:06:19 2024] [::ffff:190.237.204.118]:54858 [302]: POST /
[Sun Sep 22 21:06:19 2024] [::ffff:190.237.204.118]:54858 Closing
[Sun Sep 22 21:06:19 2024] [::ffff:190.237.204.118]:54794 Accepted
[Sun Sep 22 21:06:19 2024] [::ffff:190.237.204.118]:54798 [200]: GET /
[Sun Sep 22 21:06:19 2024] [::ffff:190.237.204.118]:54798 Closing
[Sun Sep 22 21:06:31 2024] [::ffff:190.237.204.118]:54794 [200]: GET /
[Sun Sep 22 21:06:31 2024] [::ffff:190.237.204.118]:54794 Closing
[Sun Sep 22 21:06:43 2024] [::ffff:190.237.204.118]:54905 Accepted
[Sun Sep 22 21:06:43 2024] [::ffff:190.237.204.118]:54905 [302]: POST /
[Sun Sep 22 21:06:43 2024] [::ffff:190.237.204.118]:54905 Closing
[Sun Sep 22 21:06:43 2024] [::ffff:190.237.204.118]:54910 Accepted
[Sun Sep 22 21:06:43 2024] [::ffff:190.237.204.118]:54910 [403]: GET /?pgsql=54.85.74.153%3A5432&username=
[Sun Sep 22 21:06:43 2024] [::ffff:190.237.204.118]:54910 Closing
[Sun Sep 22 21:06:50 2024] [::ffff:190.237.204.118]:47834 Accepted
[Sun Sep 22 21:06:50 2024] [::ffff:190.237.204.118]:47834 [302]: POST /?pgsql=54.85.74.153%3A5432&username=
[Sun Sep 22 21:06:50 2024] [::ffff:190.237.204.118]:47834 Closing
[Sun Sep 22 21:06:50 2024] [::ffff:190.237.204.118]:47830 Accepted
[Sun Sep 22 21:06:50 2024] [::ffff:190.237.204.118]:47830 [403]: GET /?pgsql=54.85.74.153%3A5432&username=postgres
[Sun Sep 22 21:06:50 2024] [::ffff:190.237.204.118]:47830 Closing
[Sun Sep 22 21:06:55 2024] [::ffff:190.237.204.118]:47795 Accepted
[Sun Sep 22 21:06:55 2024] [::ffff:190.237.204.118]:47795 [302]: POST /?pgsql=54.85.74.153%3A5432&username=postgres
[Sun Sep 22 21:06:55 2024] [::ffff:190.237.204.118]:47795 Closing
[Sun Sep 22 21:06:55 2024] [::ffff:190.237.204.118]:47833 Accepted
[Sun Sep 22 21:06:55 2024] [::ffff:190.237.204.118]:47833 [200]: GET /?pgsql=54.85.74.153%3A5432&username=postgres
[Sun Sep 22 21:06:55 2024] [::ffff:190.237.204.118]:47833 Closing
[Sun Sep 22 21:07:03 2024] [::ffff:190.237.204.118]:47841 Accepted
[Sun Sep 22 21:07:03 2024] [::ffff:190.237.204.118]:47841 [302]: GET /?pgsql=54.85.74.153%3A5432&username=postgres&db=tienda
[Sun Sep 22 21:07:03 2024] [::ffff:190.237.204.118]:47841 Closing
[Sun Sep 22 21:07:03 2024] [::ffff:190.237.204.118]:47765 Accepted
[Sun Sep 22 21:07:04 2024] [::ffff:190.237.204.118]:47765 [200]: GET /?pgsql=54.85.74.153%3A5432&username=postgres&db=tienda&ns=public
```