

TALLER DE BASE DE DATOS

APLICACIÓN CON CONEXIÓN A BASE
DE DATOS

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4 ATICS

### **ORACLE**

```
eliseo@nobody:-$ docker start oracle-xe
docker ps | grep oracle-xe
oracle-xe
7584e924ed82 gvenzl/<mark>oracle-xe</mark> "container-entrypoin_" 2 weeks ago Up 5 hours 0.0.0:1521->1521/tcp, [::]:152
>1521/tcp, 0.0.0:8080->8080/tcp, [::]:8080->8080/tcp oracle-xe
eliseo@nobody:-$ |
```

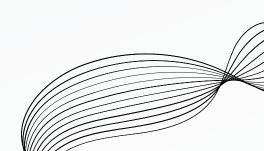
```
eliseo@nobody: $ ls /mnt/c/Users/oscar/IdeaProjects/oracle-eliseo
interpolation oracle-eliseo.int oracle-eliseo@nobody: $ ls composer-setup.php dvdrental.zip instantclient-sqlplus-linuxx64.zip respald_classicmodels.sql respaldo_classicmodels.sql eliseo@nobody: $ |
```

```
./src:
Main.java ojdbc8.jar out.java
eliseo@nobody:/mnt/c/Users/oscar/IdeaProjects/oracle-eliseo$ javac -cp "lib/ojdbc8.jar" -d out/ src/Main.java
eliseo@nobody:/mnt/c/Users/oscar/IdeaProjects/oracle-eliseo$ java -cp "out:lib/ojdbc8.jar" Main

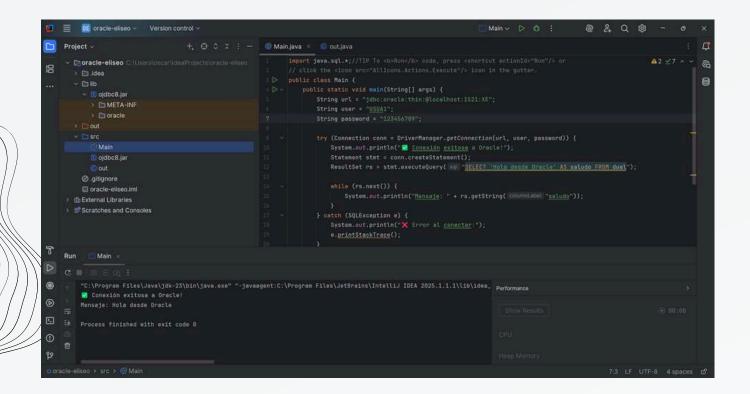
Conexión exitosa a Oracle!
Mensaje: Hola desde Oracle
eliseo@nobody:/mnt/c/Users/oscar/IdeaProjects/oracle-eliseo$ |
```

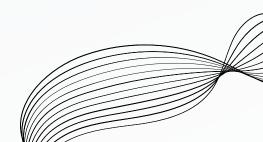
```
"C:\Program Files\Java\jdk-23\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2025.1.1.1\lib\ide
☑ Conexión exitosa a Oracle!
Hensaje: Hola desde Oracle

Process finished with exit code 0
```



# **ORACLE**





### **POSTGRES**

```
liseo@nobody:~$ sudo -u postgres psql
     osql (16.9 (Ubuntu 16.9-Oubuntu0.24.04.1))
     Type "help" for help.
     oostgres=# \l
      eliseo@nobody:~$ bun --version
     1.2.15
     eliseo@nobody:~$ hostname -I
     172.19.164.17 172.17.0.1
   public class Main {
        public static void main(String[] args) {
             String url = "jdbc:postgresql://172.19.164.17:5432/dvdrental";
            String user = "postgres";
            String password = "pinchemaluma24";
       "C:\Program Files\Java\jdk-23\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA
      1: Ana Gómez
      2: Luis Hernández
      3: Maria López
      Process finished with exit code 0
   eliseo@nobody:-/projects/bun-postgres$ bun add pg bun add v1.2.15 (df017990)
    installed pg@8.16.8
   14 packages installed [588.00ms]
eliseo@nobody:-/projects/bun-postgres$ nano index.ts
eliseo@nobody:-/projects/bun-postgres$ bun run index.ts
Hello via Bun!
       actor_id: 1,
first_name: "Ana",
last_name: "Gómez",
last_update: 2025-86-81188:89:88.3702,
       . tactor_id: 2,
first_name: "Luis",
last_name: "Hernandez",
last_update: 2025-86-81782:89:88.370Z,
    last_up.

} {
    actor_id: 3,
    first_name: "María",
    last_name: "López",
    last_update: 2025-86-01788:89:88.3792,
    ...
   eliseo@nobody:~/projects/bun-postgres$ |
  liseo@nobody:~/projects/bun-postgres$ bun add drizzle-orm
bun add -D drizzle-kit
bun add v1.2.15 (df017990)
installed drizzle-orm@0.44.1
1 package installed [4.53s]
bun add v1.2.15 (df017990)
installed drizzle-kit@0.31.1 with binaries:
 - drizzle-kit
```

16 packages installed [1.71s]

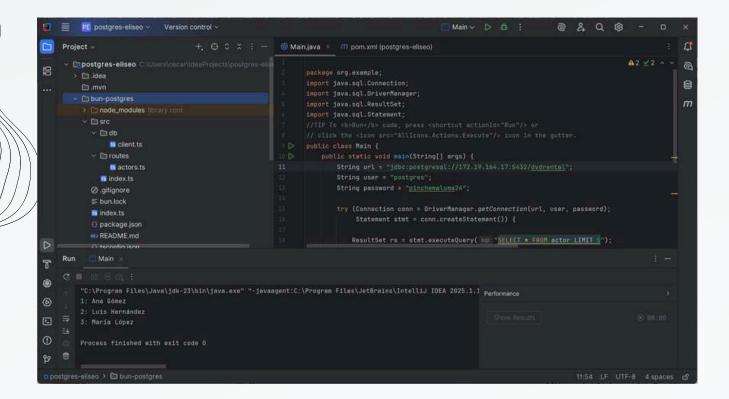
eliseo@nobody:~/projects/bun-postgres\$ |

### **POSTGRES**

```
nobody:~$ mkdir -p ~/projects/bun-postgres
   cd ~/projects/bun-postgres
  bun init
    Select a project template: Blank
  To get started, run:
       bun run index.ts
  bun install v1.2.15 (df017990)
     typescript@5.8.3
     @types/bun@1.2.15
    packages installed [1163.00ms]
   liseo@nobody:~/projects/bun-postgres$ bun add pg
  bun add v1.2.15 (df017990)
   installed pg@8.16.0
   4 packages installed [588.00ms]
    liseo@nobody:~/projects/bun-postgres$ |
eliseo@nobody:~/projects/bun-postgres$ nano src/db/client.ts
eliseo@nobody:~/projects/bun-postgres$ nano src/routes/actors.ts
eliseo@nobody:~/projects/bun-postgres$ nano src/index.ts
eliseo@nobody:~/projects/bun-postgres$ bun run src/index.ts
Started development server: http://localhost:3000
eliseo@nobody:~/projects/bun-postgres$ nano src/db/client.ts eliseo@nobody:~/projects/bun-postgres$ nano src/routes/actors.ts
eliseo@nobody:~/projects/bun-postgres$ nano src/index.ts
eliseo@nobody:~/projects/bun-postgres$ |
```

# **POSTGRES**







# MARIADB

eliseo@nobody:~\$ docker start mariadbb mariadbb

```
eliseo@nobody:~$ FROM php:8.1-apache

COPY . /var/www/html/

EXPOSE 80

FROM: command not found

COPY: command not found

EXPOSE: command not found

EXPOSE: command not found

eliseo@nobody:~$ cd /mnt/c/Users/oscar/OneDrive/Escritorio/evaldocente-main

eliseo@nobody:/mnt/c/Users/oscar/OneDrive/Escritorio/evaldocente-main$ nano Dockerfile

eliseo@nobody:/mnt/c/Users/oscar/OneDrive/Escritorio/evaldocente-main$
```

eliseo@nobody:/mnt/c/Users/oscar/OneDrive/Escritorio/evaldocente-main\$ docker network create docente-net 3467ac/74a7ce2e9accfb99fc9055a15e42257e925ca8a5796494b46899460892 eliseo@nobody:/mnt/c/Users/oscar/OneDrive/Escritorio/evaldocente-main\$

407ac74a7ce2e9accfb99fc9055a15e42257e925ca8a5796404b4689b460a92
liseo@nobody:/mnt/c/Users/oscar/OneDrive/Escritorio/evaldocente-main\$ docker network connect docente-net mariadbb
liseo@nobody:/mnt/c/Users/oscar/OneDrive/Escritorio/evaldocente-main\$ |

```
eliseo@nobody:/mnt/c/Users/oscar/OneDrive/Escritorio/evaldocente-main$ docker run -d \
--name evaldocente-container \
--network docente-net \
-p 8080:80 \
evaldocente-img
6b1565681e51cf9fa18342e9bf5a73eaca36f00fc7323d01d88d070fb51cb11e
eliseo@nobody:/mnt/c/Users/oscar/OneDrive/Escritorio/evaldocente-main$
```

