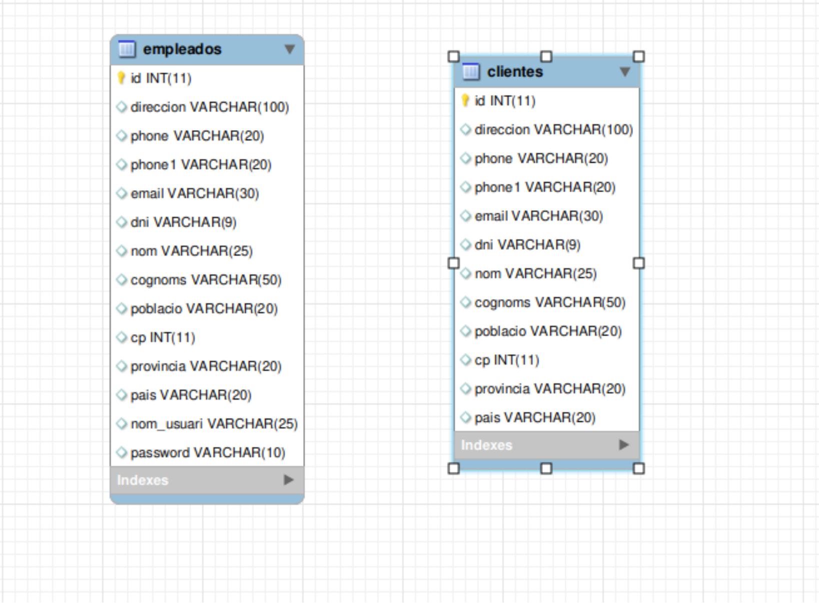
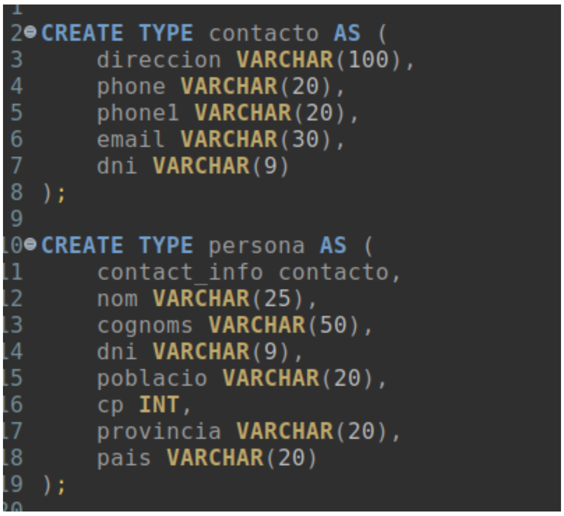
I start with these two tables in MySQL, which have no relationship between them.

If you observe, both the customers and the employees share a lot of data; only the employee has two distinct fields, which are 'username' and 'password'.



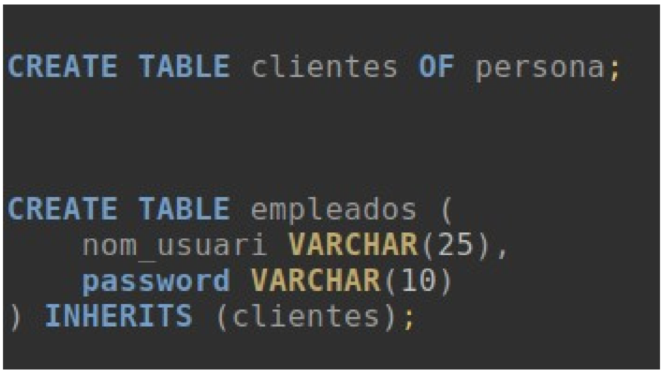
empleados	clientes
id INT(11)	id INT(11)
direccion VARCHAR(100)	direccion VARCHAR(100)
phone VARCHAR(20)	phone VARCHAR(20)
phone1 VARCHAR(20)	phone1 VARCHAR(20)
email VARCHAR(30)	email VARCHAR(30)
dni VARCHAR(9)	dni VARCHAR(9)
nom VARCHAR(25)	nom VARCHAR(25)
cognoms VARCHAR(50)	cognoms VARCHAR(50)
poblacio VARCHAR(20)	poblacio VARCHAR(20)
cp INT(11)	cp INT(11)
provincia VARCHAR(20)	provincia VARCHAR(20)
pais VARCHAR(20)	pais VARCHAR(20)
nom_usuari VARCHAR(25)	Indexes
password VARCHAR(10)	
Indexes	

To perform a migration to PostgreSQL, I have used two data types: 'contact' data type and 'person' data type, which has its own data along with the contact data.



```sql
CREATE TYPE contacto AS (
    direccion VARCHAR(100),
    phone VARCHAR(20),
    phone1 VARCHAR(20),
    email VARCHAR(30),
    dni VARCHAR(9)
);

CREATE TYPE persona AS (
    contact_info contacto,
    nom VARCHAR(25),
    cognoms VARCHAR(50),
    dni VARCHAR(9),
    poblacio VARCHAR(20),
    cp INT,
    provincia VARCHAR(20),
    pais VARCHAR(20)
);
```

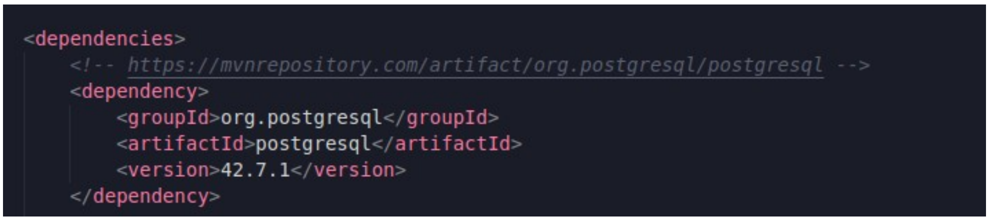
Finally, I have created the 'clientes' table, which is built using the 'persona' data and the 'empleados' table, which inherits from 'clientes' and at the same time has its two fields, 'nom d’usuari' and 'password'.



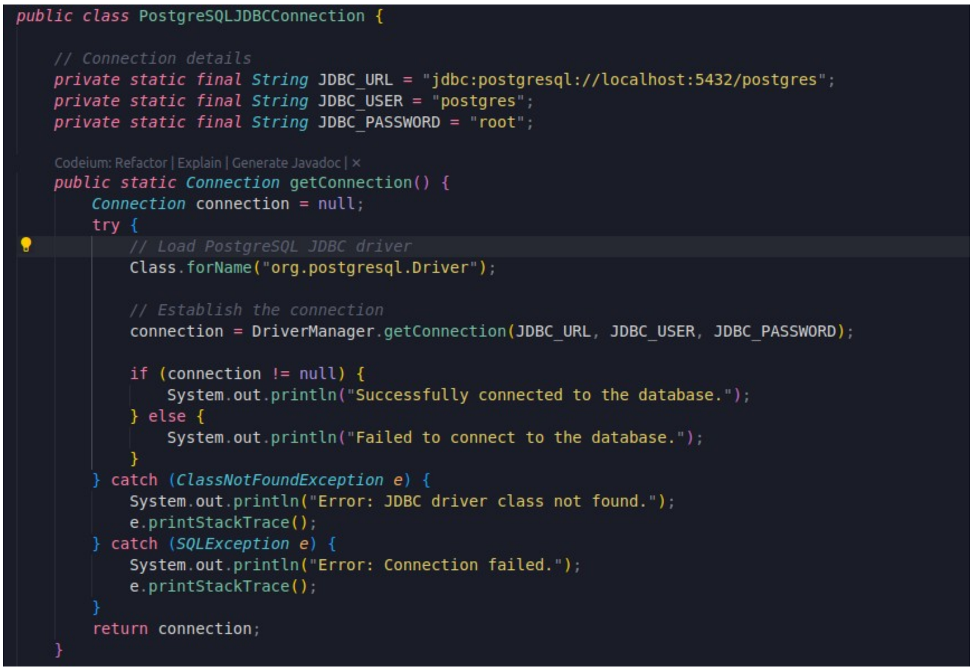
```sql
CREATE TABLE clientes OF persona;


CREATE TABLE empleados (
    nom_usuari VARCHAR(25),
    password VARCHAR(10)
) INHERITS (clientes);
```

In this way, the two MySQL tables transition to a PostgreSQL database.

The next step is in the project we have created, to establish a connection to the PostgreSQL database. For this, we download the necessary dependencies, in this case, the PostgreSQL connector. And we create the class to perform the connection.



```xml
<dependencies>
    <!-- https://mvnrepository.com/artifact/org.postgresql/postgresql -->
    <dependency>
        <groupId>org.postgresql</groupId>
        <artifactId>postgresql</artifactId>
        <version>42.7.1</version>
    </dependency>
```



```java
public class PostgreSQLJDBCConnection {

    // Connection details
    private static final String JDBC_URL = "jdbc:postgresql://localhost:5432/postgres";
    private static final String JDBC_USER = "postgres";
    private static final String JDBC_PASSWORD = "root";

    public static Connection getConnection() {
        Connection connection = null;
        try {
            // Load PostgreSQL JDBC driver
            Class.forName("org.postgresql.Driver");

            // Establish the connection
            connection = DriverManager.getConnection(JDBC_URL, JDBC_USER, JDBC_PASSWORD);

            if (connection != null) {
                System.out.println("Successfully connected to the database.");
            } else {
                System.out.println("Failed to connect to the database.");
            }
        } catch (ClassNotFoundException e) {
            System.out.println("Error: JDBC driver class not found.");
            e.printStackTrace();
        } catch (SQLException e) {
            System.out.println("Error: Connection failed.");
            e.printStackTrace();
        }
        return connection;
    }
```