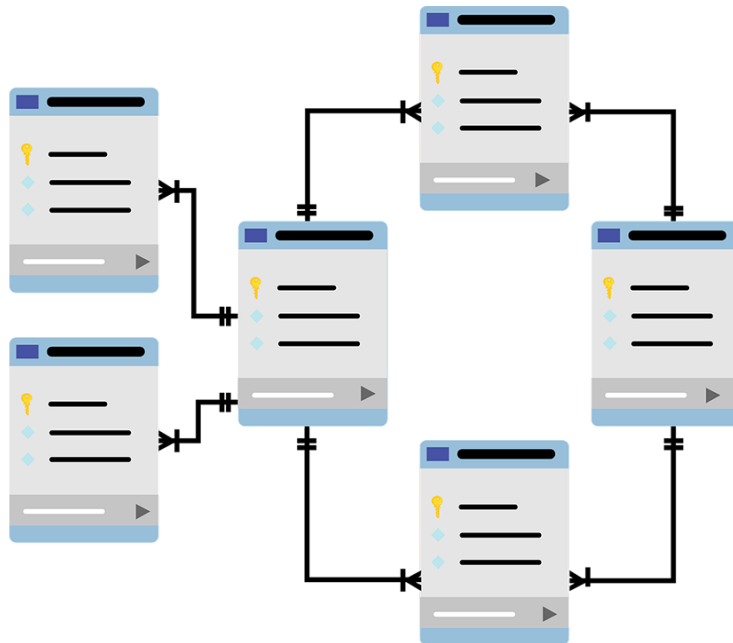


# **Unidad 7**

## **Seguridad BBDD**



## **Bases de Datos**

### **Desarrollo de**

### **Aplicaciones Web**

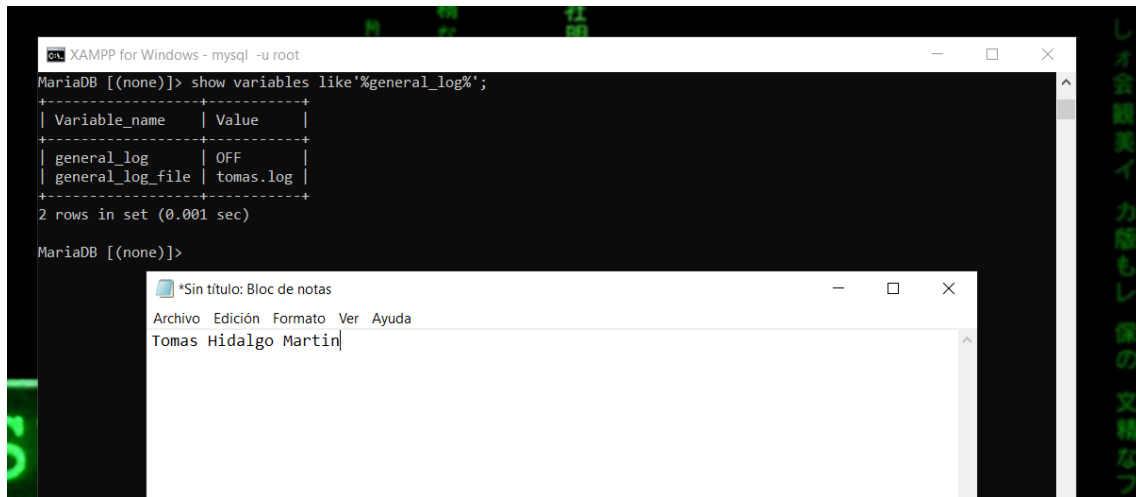
**Tomás Hidalgo Martín**

## Índice

• 1.Ejercicio 1 .....	1
• 2.Ejercicio 2 .....	2
• 3.Ejercicio 3 .....	3
• 4.Ejercicio 5 .....	5
• 5.Ejercicio 6 .....	7
• 6.Ejercicio 7 .....	8

## 1.Ejercicio 1

a)



```
XAMPP for Windows - mysql -u root
MariaDB [(none)]> show variables like '%general_log%';
+-----+-----+
| Variable_name | Value |
+-----+-----+
| general_log   | OFF   |
| general_log_file | tomas.log |
+-----+-----+
2 rows in set (0.001 sec)

MariaDB [(none)]>
```

\*Sin título: Bloc de notas  
Archivo Edición Formato Ver Ayuda  
Tomas Hidalgo Martin

b)



```
XAMPP for Windows - mysql -u root
MariaDB [(none)]> set global general_log=1;
Query OK, 0 rows affected (0.001 sec)

MariaDB [(none)]>
```

\*Sin título: Bloc de notas  
Archivo Edición Formato Ver Ayuda  
Tomas Hidalgo Martin

c)



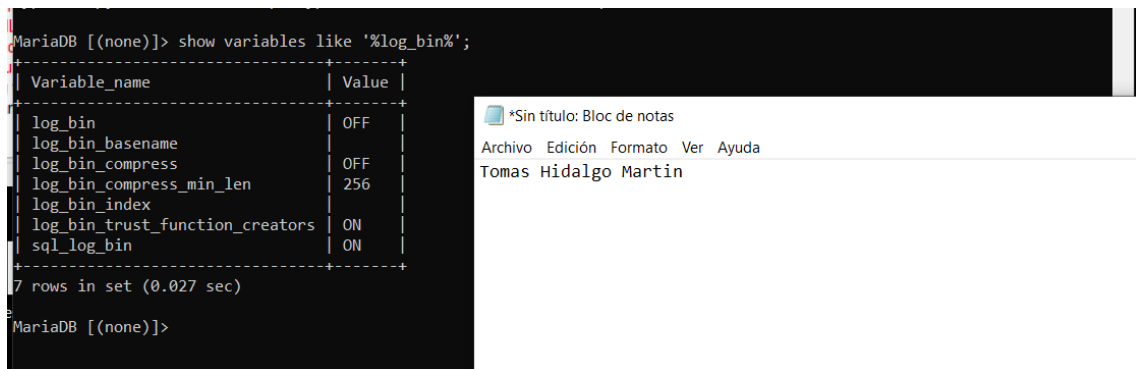
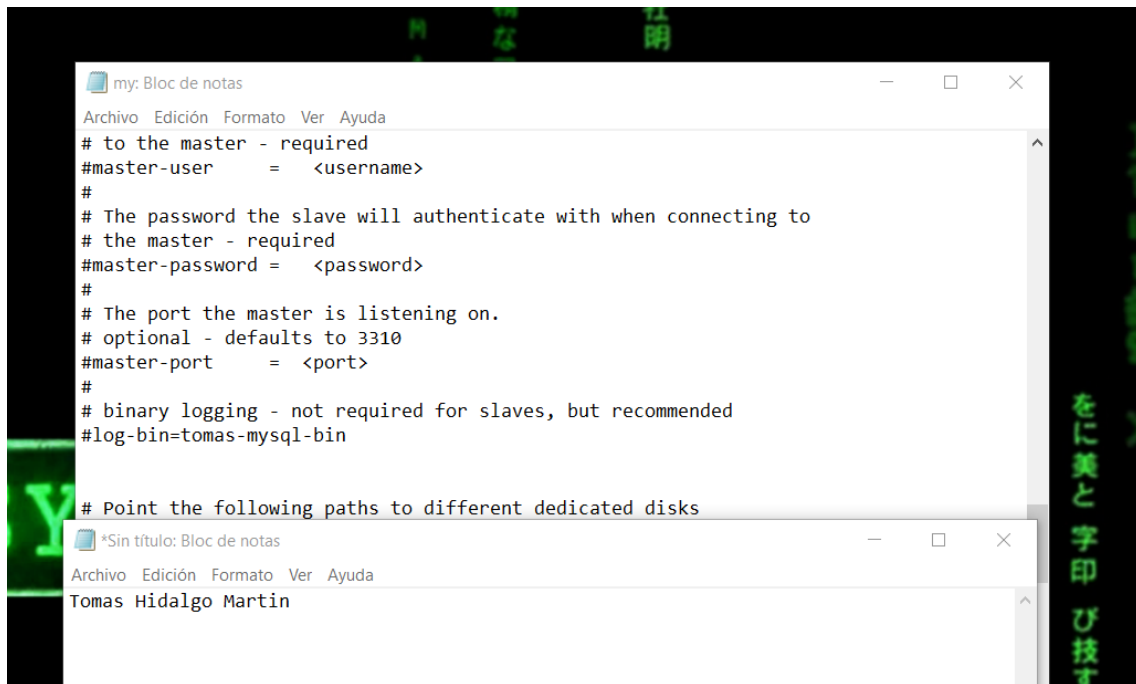
```
XAMPP for Windows - mysql -u root
MariaDB [(none)]> set global general_log=1;
Query OK, 0 rows affected (0.001 sec)

MariaDB [(none)]> show variables like '%general_log%';
+-----+-----+
| Variable_name | Value |
+-----+-----+
| general_log   | ON    |
| general_log_file | tomas.log |
+-----+-----+
2 rows in set (0.001 sec)

MariaDB [(none)]>
```

\*Sin título: Bloc de notas  
Archivo Edición Formato Ver Ayuda  
Tomas Hidalgo Martin

## 2.Ejercicio 2



### 3.Ejercicio 3

Antes de todo creo una bases de datos llamada classicmodels e inserto las tablas. Luego uso mysqlcheck para chequear si necesita ser reparada dicha tabla.

```

Seleccionar XAMPP for Windows
Error: Table 'classicmodels.root' doesn't exist

tomas@TOMAS c:\xampp
# mysqlcheck classicmodels -r -u root -p
Enter password: ****
classicmodels.categoriasproductos
note      : The storage engine for the table doesn't support repair
classicmodels.clientes
note      : The storage engine for the table doesn't support repair
classicmodels.detallespedidos
note      : The storage engine for the table doesn't support repair
classicmodels.empleados
note      : The storage engine for the table doesn't support repair
classicmodels.oficinas
note      : The storage engine for the table doesn't support repair
classicmodels.pagos
note      : The storage engine for the table doesn't support repair
classicmodels.pedidos
note      : The storage engine for the table doesn't support repair
classicmodels.productos
note      : The storage engine for the table doesn't support repair

tomas@TOMAS c:\xampp
#
  
```

Otra forma de mantener tablas en sql sería desde dentro de MariaDB:

```

Seleccionar XAMPP for Windows - mysql -u root -p
ntax to use near '' at line 1
MariaDB [classicmodels]> show tables;
+-----+
| Tables_in_classicmodels |
+-----+
| categoriasproductos     |
| clientes                 |
| detallespedidos         |
| empleados               |
| oficinas                |
| pagos                   |
| pedidos                 |
| productos                |
+-----+
8 rows in set (0.000 sec)

MariaDB [classicmodels]> analyze table clientes,categoriasproductos,empleados,detallespedidos,oficinas,pagos,pedidos,productos;
+-----+
| Table                                | Op      | Msg_type | Msg_text |
+-----+
| classicmodels.clientes               | analyze | status   | OK       |
| classicmodels.categoriasproductos    | analyze | status   | OK       |
| classicmodels.empleados              | analyze | status   | OK       |
| classicmodels.detallespedidos        | analyze | status   | OK       |
| classicmodels.oficinas               | analyze | status   | OK       |
| classicmodels.pagos                  | analyze | status   | OK       |
| classicmodels.pedidos                | analyze | status   | OK       |
| classicmodels.productos              | analyze | status   | OK       |
+-----+
8 rows in set (0.101 sec)

error 235553261...pending....
fatal ER # 5444167QW32E __WS @t$$
  
```

```

Seleccionar XAMPP for Windows - mysql -u root -p
8 rows in set (0.101 sec)

MariaDB [classicmodels]> optimize table clientes,categoriasproductos,empleados,detallespedidos,oficinas,pagos,pedidos,productos;
+-----+-----+-----+-----+
| Table | Op | Msg_type | Msg_text |
+-----+-----+-----+-----+
| classicmodels.clientes | optimize | note | Table does not support optimize, doing recreate + analyze instead |
| classicmodels.clientes | optimize | status | OK |
| classicmodels.categoriasproductos | optimize | note | Table does not support optimize, doing recreate + analyze instead |
| classicmodels.categoriasproductos | optimize | status | OK |
| classicmodels.empleados | optimize | note | Table does not support optimize, doing recreate + analyze instead |
| classicmodels.empleados | optimize | status | OK |
| classicmodels.detallespedidos | optimize | note | Table does not support optimize, doing recreate + analyze instead |
| classicmodels.detallespedidos | optimize | status | OK |
| classicmodels.oficinas | optimize | note | Table does not support optimize, doing recreate + analyze instead |
| classicmodels.oficinas | optimize | status | OK |
| classicmodels.pagos | optimize | note | Table does not support optimize, doing recreate + analyze instead |
| classicmodels.pagos | optimize | status | OK |
| classicmodels.pedidos | optimize | note | Table does not support optimize, doing recreate + analyze instead |
| classicmodels.pedidos | optimize | status | OK |
| classicmodels.productos | optimize | note | Table does not support optimize, doing recreate + analyze instead |
| classicmodels.productos | optimize | status | OK |
+-----+-----+-----+-----+
16 rows in set (0.424 sec)

MariaDB [classicmodels]> check table clientes,categoriasproductos,empleados,detallespedidos,oficinas,pagos,pedidos,productos;
+-----+-----+-----+-----+
| Table | Op | Msg_type | Msg_text |
+-----+-----+-----+-----+
| classicmodels.clientes | check | status | OK |
| classicmodels.categoriasproductos | check | status | OK |
| classicmodels.empleados | check | status | OK |
| classicmodels.detallespedidos | check | status | OK |
| classicmodels.oficinas | check | status | OK |
| classicmodels.pagos | check | status | OK |
| classicmodels.pedidos | check | status | OK |
| classicmodels.productos | check | status | OK |
+-----+-----+-----+-----+
8 rows in set (0.040 sec)

MariaDB [classicmodels]>

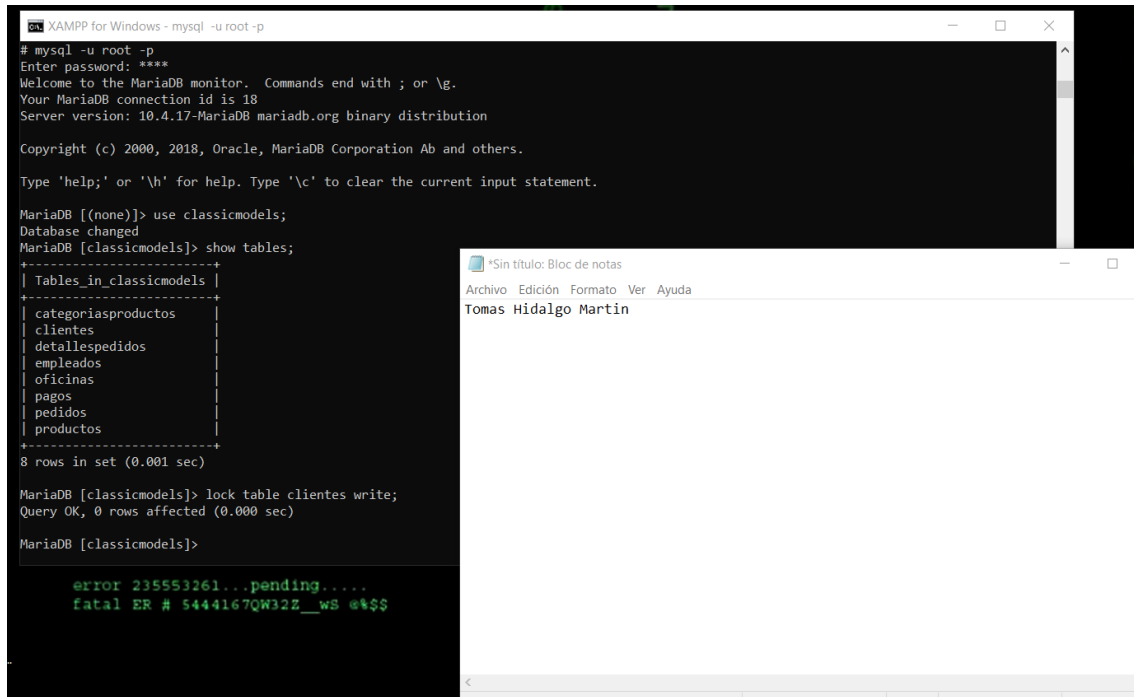
```

\*Sin título: Bloc de notas

Archivo Edición Formato Ver Ayuda  
Tomas Hidalgo Martin

## 4.Ejercicio 5

Primero me muevo dentro de la tabla classicmodels y bloqueo la tabla clientes para escritura:



```
# mysql -u root -p
Enter password: ****
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 18
Server version: 10.4.17-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

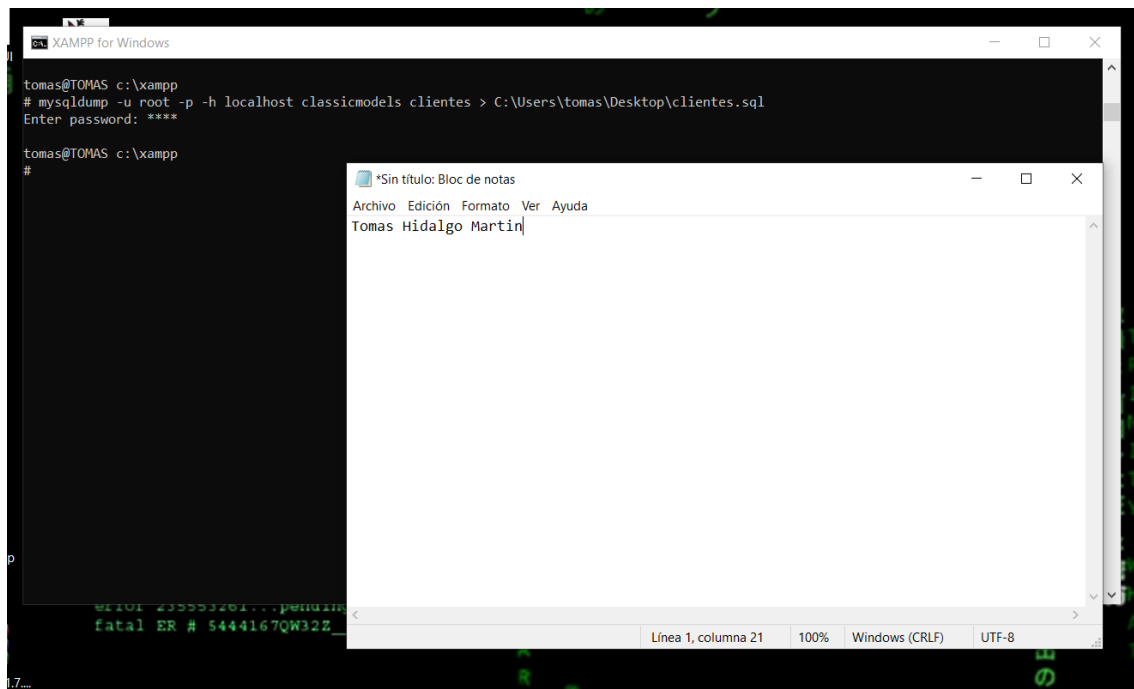
MariaDB [(none)]> use classicmodels;
Database changed
MariaDB [classicmodels]> show tables;
+-----+
| Tables_in_classicmodels |
+-----+
| categoriasproductos    |
| clientes                |
| detallespedidos        |
| empleados              |
| oficinas               |
| pagos                  |
| pedidos                |
| productos               |
+-----+
8 rows in set (0.001 sec)

MariaDB [classicmodels]> lock table clientes write;
Query OK, 0 rows affected (0.000 sec)

MariaDB [classicmodels]>

error 235553261...pending.....
fatal ER # 5444167QW32Z_ws @t$$
```

A continuación realizo una copia de seguridad en el archivo clientes.sql mediante mysqldump:

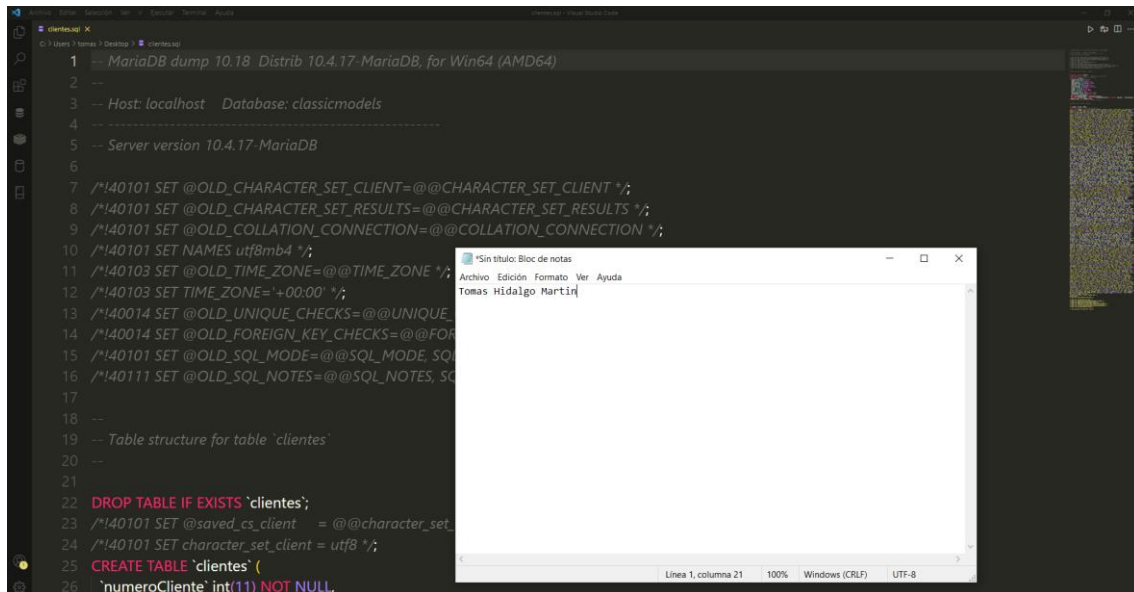


```
tomas@TOMAS c:\xampp
# mysqldump -u root -p -h localhost classicmodels clientes > C:\Users\tomas\Desktop\clientes.sql
Enter password: ****

tomas@TOMAS c:\xampp
#

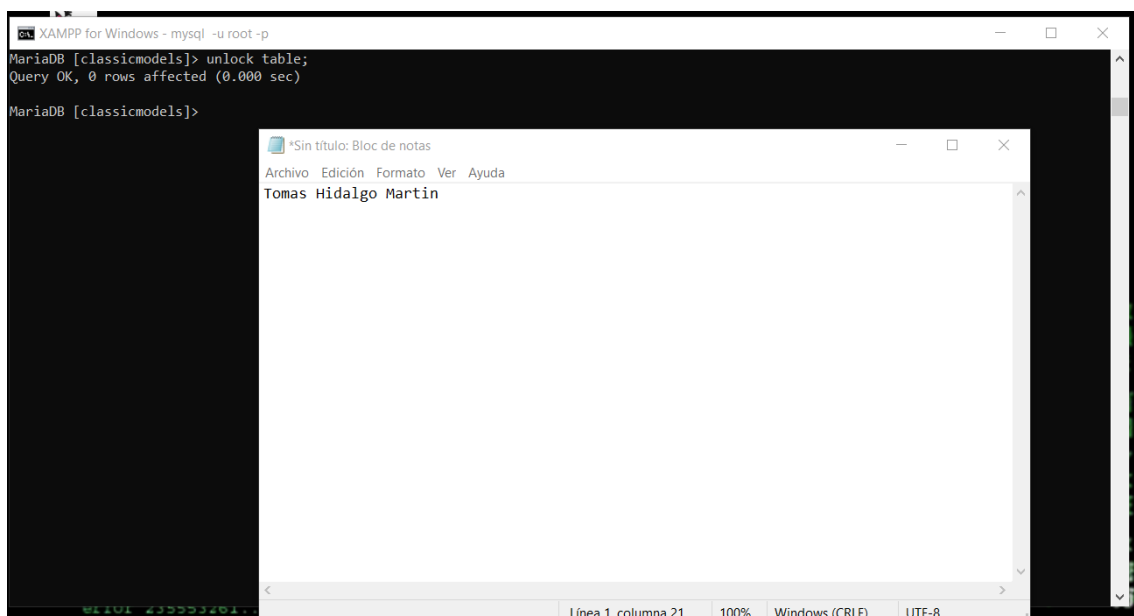
error 235553261...pending.....
fatal ER # 5444167QW32Z_ws @t$$
```

Ahora muestro qué contiene dicho fichero:



```
1 -- MariaDB dump 10.18 Distrib 10.4.17-MariaDB, for Win64 (AMD64)
2 --
3 -- Host: localhost Database: classicmodels
4 --
5 -- Server version 10.4.17-MariaDB
6 --
7 /*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
8 /*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
9 /*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
10 /*!40101 SET NAMES utf8mb4 */;
11 /*!40103 SET @OLD_TIME_ZONE=@@TIME_ZONE */;
12 /*!40103 SET TIME_ZONE='+00:00' */;
13 /*!40014 SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS */;
14 /*!40014 SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS */;
15 /*!40101 SET @OLD_SQL_MODE=@@SQL_MODE */;
16 /*!40111 SET @OLD_SQL_NOTES=@@SQL_NOTES */;
17 --
18 --
19 -- Table structure for table 'clientes'
20 --
21
22 DROP TABLE IF EXISTS `clientes`;
23 /*!40101 SET @saved_cs_client = @@character_set_client */;
24 /*!40101 SET character_set_client = utf8 */;
25 CREATE TABLE `clientes` (
26 `numeroCliente` int(11) NOT NULL,
```

Por último desbloqueo la tabla clientes:



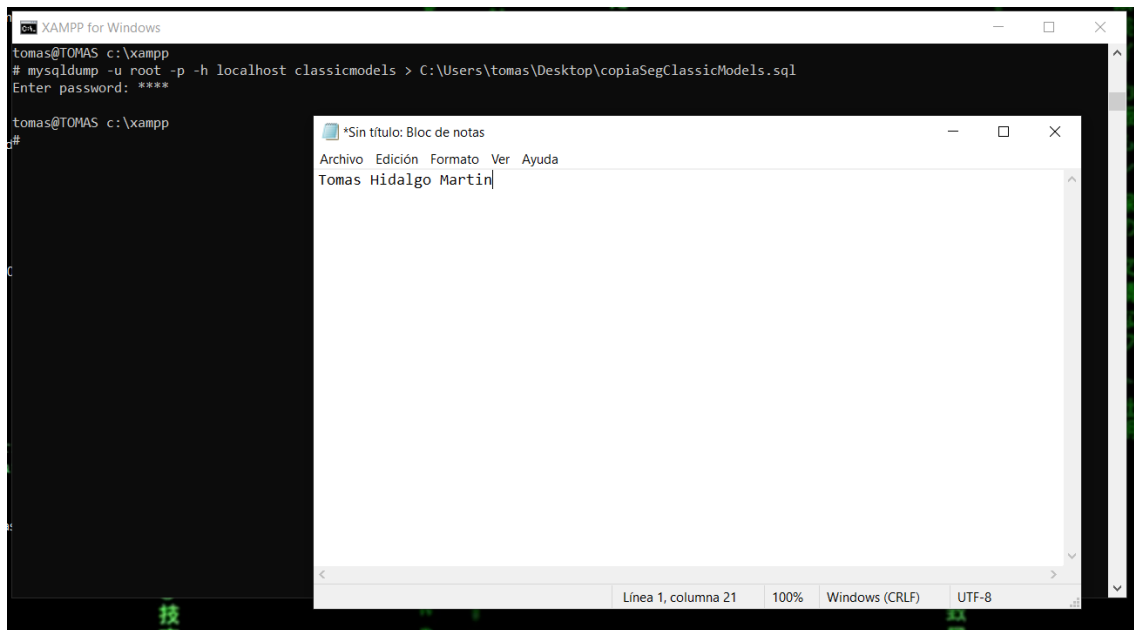
```
XAMPP for Windows - mysql -u root -p
MariaDB [classicmodels]> unlock table;
Query OK, 0 rows affected (0.000 sec)

MariaDB [classicmodels]>
```

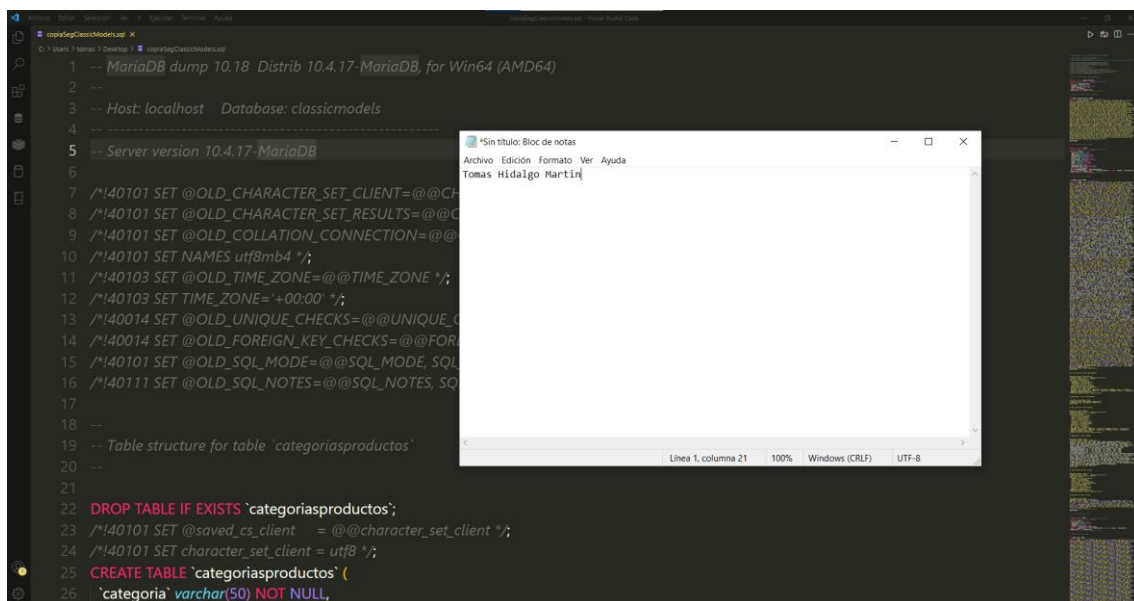


## 5.Ejercicio 6

Realizo el mismo procedimiento del anterior ejercicio:

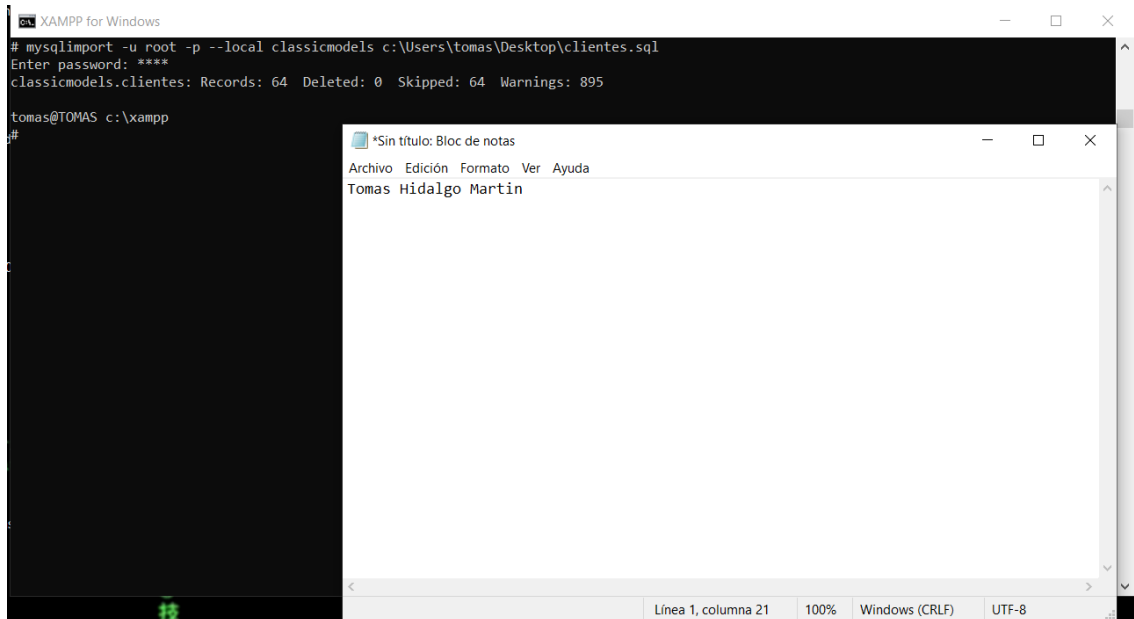


El resultado es el siguiente:



## 6.Ejercicio 7

Uso mysqlimport para leer el archivo clientes e importarlo en la base de datos classicmodels.



The screenshot shows a terminal window titled 'XAMPP for Windows' with the following content:

```
# mysqlimport -u root -p --local classicmodels c:\Users\tomas\Desktop\clientes.sql
Enter password: ****
classicmodels.clientes: Records: 64 Deleted: 0 Skipped: 64 Warnings: 895

tomas@TOMAS c:\xampp
#
```

Overlaid on the terminal is a Notepad window titled '\*Sin título: Bloc de notas'. The menu bar includes 'Archivo', 'Edición', 'Formato', 'Ver', and 'Ayuda'. The text 'Tomas Hidalgo Martin' is entered in the main area. The status bar at the bottom of the Notepad window shows 'Línea 1, columna 21', '100%', 'Windows (CRLF)', and 'UTF-8'.