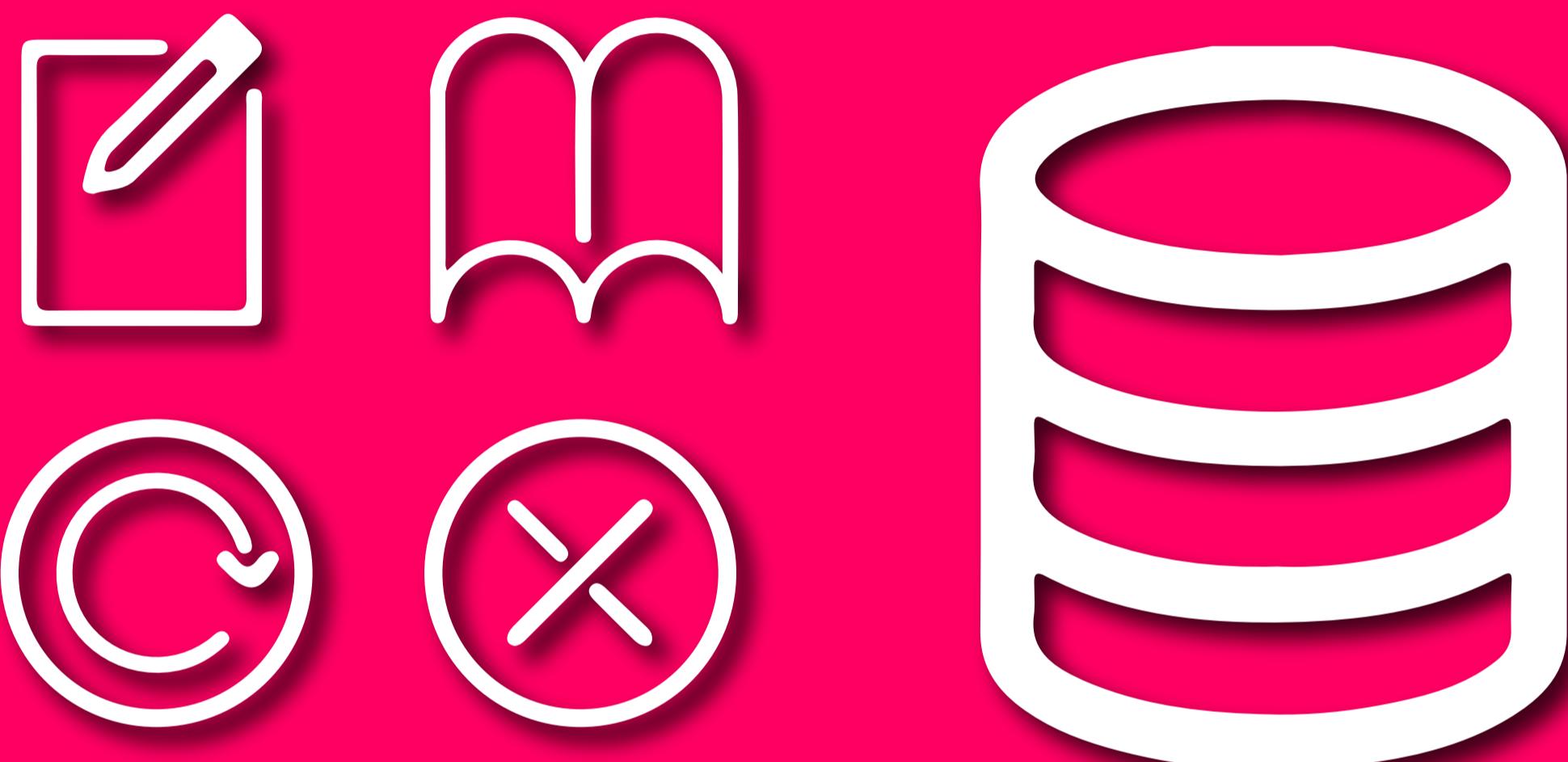




El futuro digital  
es de todos

MinTIC



# Operaciones CRUD en SQL - Parte 2

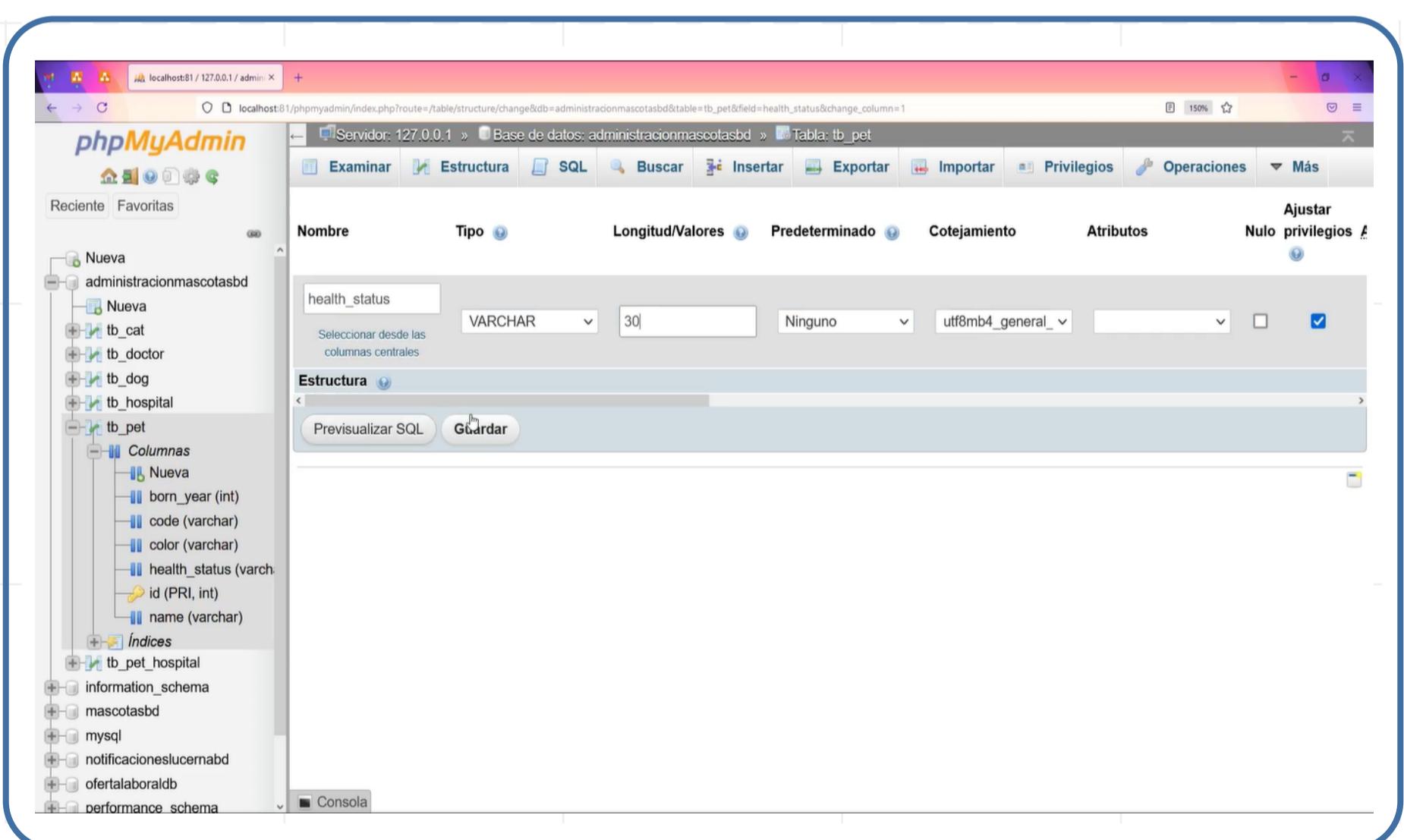


Universidad de Caldas

# Hola:

Anteriormente realizamos la creación del hospital veterinario enlazado con un doctor. Ahora iniciaremos las operaciones CRUD sobre la base de datos que construimos para gestionar la información de las mascotas.

Video de operaciones CRUD sobre la base de datos - Inserciones, Actualizaciones, Eliminaciones y consultas



The screenshot shows the phpMyAdmin interface for the 'tb\_pet' table in the 'administracionmascotasbd' database. The left sidebar shows the database structure. The main area has tabs for 'Examinar', 'Estructura', 'SQL', 'Buscar', 'Insertar', 'Exportar', 'Importar', 'Privilegios', 'Operaciones', and 'Más'. The 'SQL' tab is active, displaying the following query:

```
1 INSERT INTO `tb_pet`(`code`, `name`, `born_year`, `color`, `health_status`) VALUES ('001', 'Firulais', 2015, 'amarillo', 'Saludable')
```

To the right of the query, a table structure is shown with columns: id, code, name, born\_year, color, and health\_status.

The screenshot shows the results of the previously executed SQL query. A green message bar at the top says 'Mostrando filas 0 - 2 (total de 3, La consulta tardó 0,0014 segundos.)'. Below it, the 'tb\_pet' table is displayed with the following data:

	id	code	name	born_year	color	health_status
<input type="checkbox"/>	1	001	Firulais	2015	amarillo	Saludable
<input type="checkbox"/>	2	002	Tobby	2018	Negro	Saludable
<input type="checkbox"/>	3	003	Minino	2020	Negro y Blanco	Enfermo

At the bottom, there are buttons for 'Imprimir', 'Copiar al portapapeles', 'Exportar', 'Mostrar gráfico', and 'Crear vista'.

The screenshot shows the phpMyAdmin interface for the 'tb\_dog' table in the 'administracionmascotasbd' database. The left sidebar shows the database structure with 'tb\_dog' selected. The main area has a toolbar with 'Examinar', 'Estructura', 'SQL', 'Buscar', 'Insertar', 'Exportar', 'Importar', 'Privilegios', 'Operaciones', and 'Más'. The 'SQL' tab is active, displaying the following SQL query:

```
1 INSERT INTO `tb_dog`(`breed`, `pedigree`, `id_pet`) VALUES ('Criollo',0,1)
```

To the right of the query is a results grid showing columns: id, breed, pedigree, and id\_pet. Below the query are buttons for 'SELECT \*', 'SELECT', 'INSERT', 'UPDATE', 'DELETE' (which is highlighted), 'Limpiar', and 'Formato'. There are also checkboxes for 'Enlazar parámetros' and 'Guardar esta consulta en favoritos:'. At the bottom is a 'Consola' button.

This screenshot shows the phpMyAdmin interface for the 'tb\_cat' table in the same database. The left sidebar shows the database structure with 'tb\_cat' selected. The main area has a toolbar with the same tabs as the previous screenshot. The 'SQL' tab is active, displaying the following SQL query:

```
1 INSERT INTO `tb_cat`(`breed`, `id_pet`) VALUES ('Criollo', 3)
```

The results grid on the right shows columns: id, breed, and id\_pet. Below the query are the same set of buttons and checkboxes as the previous screenshot. A large number '3' is overlaid at the bottom center of the interface.

Servidor: 127.0.0.1 » Base de datos: administracionmascotasbd » Tabla: tb\_doctor

Ejecutar la(s) consulta(s) SQL en la tabla administracionmascotasbd.tb\_doctor:

```
1 UPDATE `tb_doctor` SET `phone`='3158974536', `address`='Cra 24 N 78-12' WHERE id = 2
```

id  
name  
phone  
address

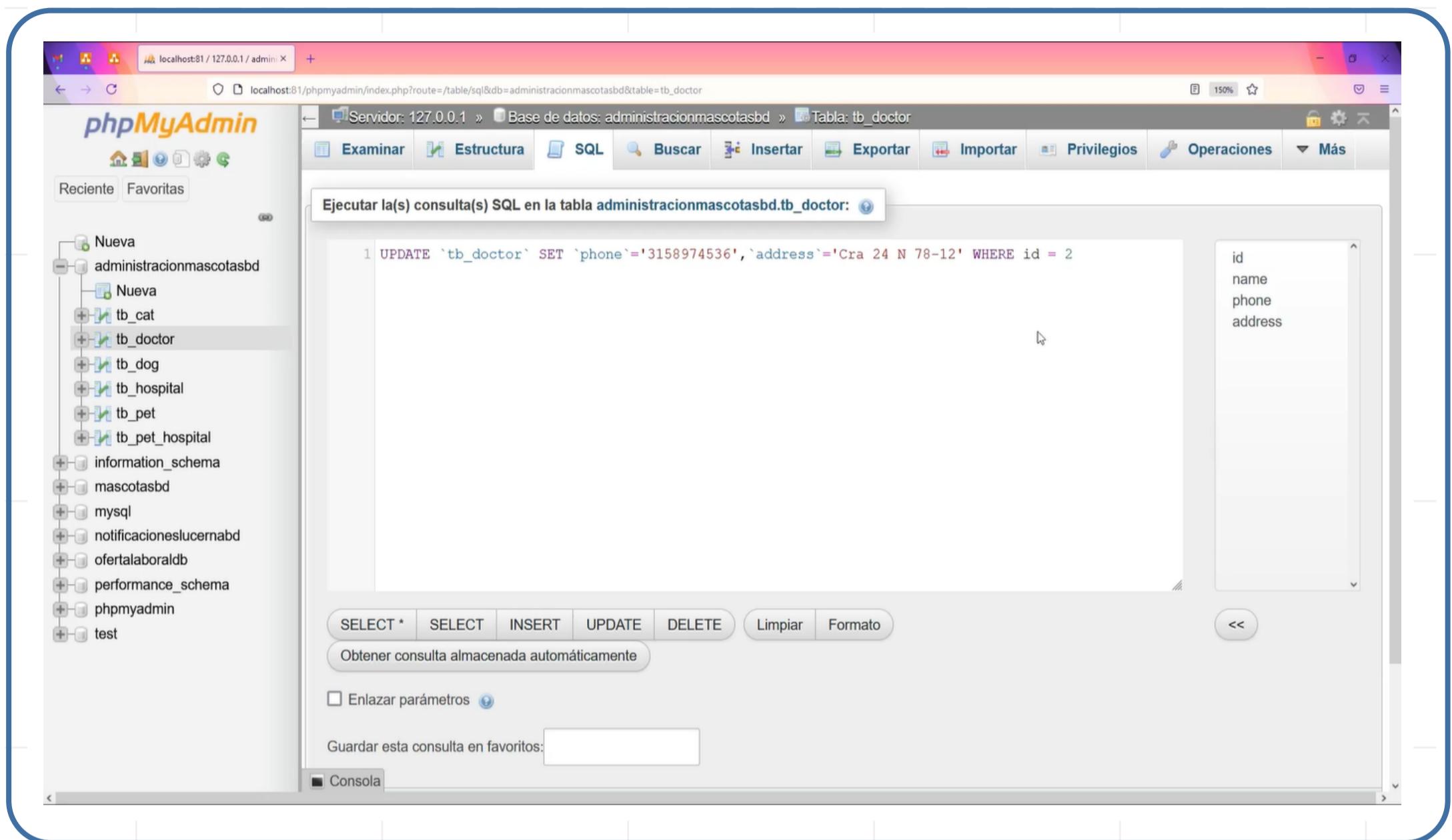
SELECT \* SELECT INSERT UPDATE DELETE Limpiar Formato

Obtener consulta almacenada automáticamente

Enlazar parámetros

Guardar esta consulta en favoritos:

Consola



Servidor: 127.0.0.1 » Base de datos: administracionmascotasbd » Tabla: tb\_doctor

Ejecutar la(s) consulta(s) SQL en la tabla administracionmascotasbd.tb\_doctor:

```
1 DELETE FROM `tb_doctor` WHERE id = 2
```

id  
name  
phone  
address

SELECT \* SELECT INSERT UPDATE DELETE Limpiar Formato

Obtener consulta almacenada automáticamente

Enlazar parámetros

Guardar esta consulta en favoritos:

Consola

Delimitador: ; Mostrar esta consulta otra vez Mantener la caja de texto con la consulta

Deshacer (rollback) al finalizar Habilite la revisión de las claves foráneas

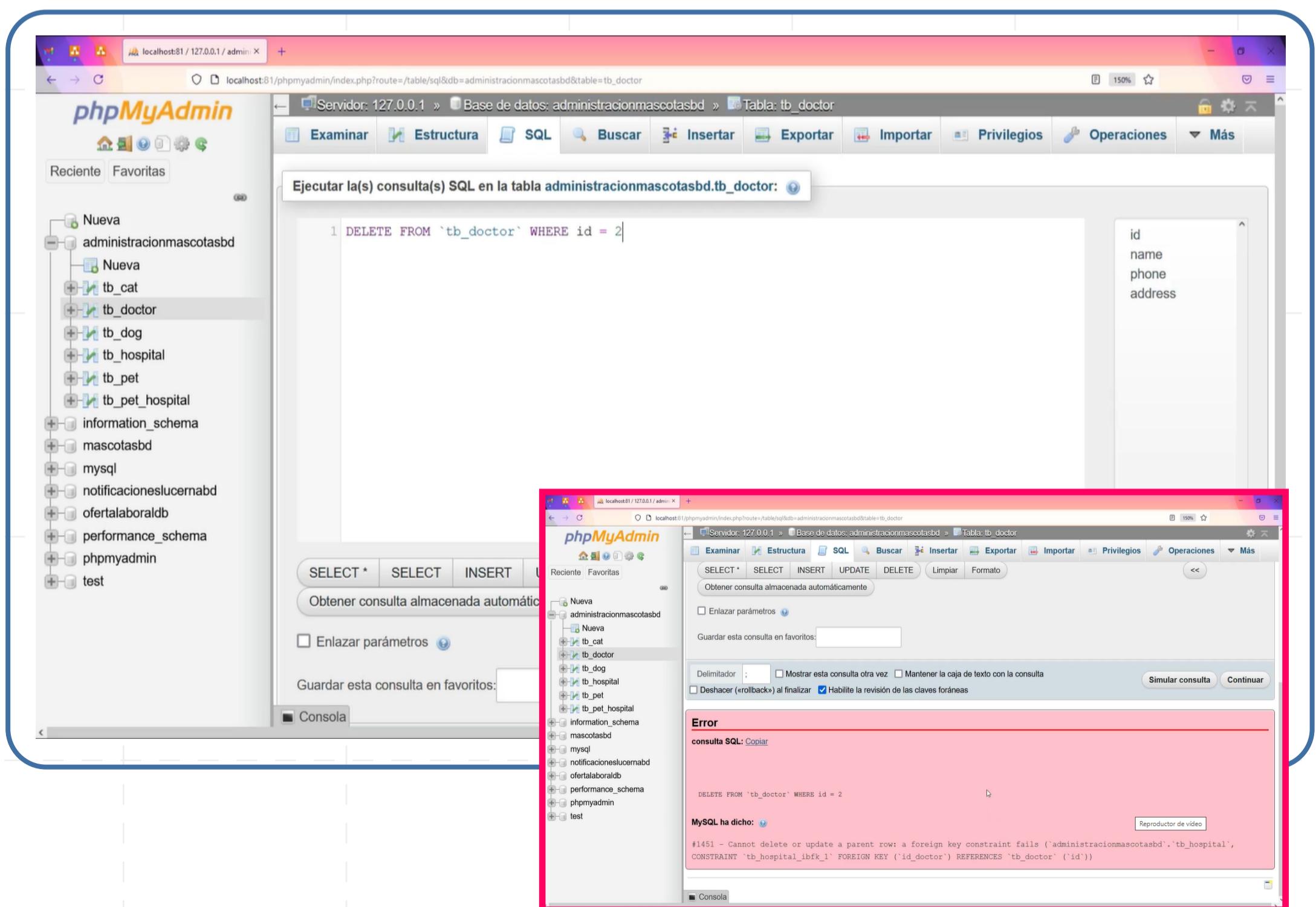
Simular consulta Continuar

Error

consulta SQL: Copiar

MySQL ha dicho: MySQL said:

```
#1451 - Cannot delete or update a parent row: a foreign key constraint fails ('administracionmascotasbd`.`tb_hospital', CONSTRAINT `tb_hospital_ibfk_1` FOREIGN KEY (`id_doctor`) REFERENCES `tb_doctor` (`id`))
```



**phpMyAdmin**

Servidor: 127.0.0.1 » Base de datos: administracionmascotasbd » Tabla: tb\_doctor

Ejecutar la(s) consulta(s) SQL en la tabla administracionmascotasbd.tb\_doctor:

```
1 SELECT *
2 FROM tb_pet AS p
3 INNER JOIN tb_dog AS d on p.id = d.id_pet
```

id  
name  
phone  
address

**phpMyAdmin**

Servidor: 127.0.0.1 » Base de datos: administracionmascotasbd » Tabla: tb\_pet

id	code	name	born_year	color	health_status	id	breed	pedigree	id_pet
1	001	Firulais	2015	amarillo	Saludable	1	Criollo	0	1
2	002	Tobby	2018	Negro	Saludable	2	Pincher	1	2

**phpMyAdmin**

Servidor: 127.0.0.1 » Base de datos: administracionmascotasbd » Tabla: tb\_pet

Mostrando filas 0 - 1 (total de 2, La consulta tardó 0,0045 segundos.)

```
1 SELECT p.code, p.name, p.born_year, p.color, p.health_status, d.breed, d.pedigree
2 FROM tb_pet AS p
3 INNER JOIN tb_dog AS d on p.id = d.id_pet
```

Habilite la revisión de las claves foráneas

Continuar Cancelar

**phpMyAdmin**

Servidor: 127.0.0.1 » Base de datos: administracionmascotasbd » Tabla: tb\_pet

id	code	name	born_year	color	health_status	breed	pedigree
1	001	Firulais	2015	amarillo	Saludable	Criollo	0
2	002	Tobby	2018	Negro	Saludable	Pincher	1



**Mision  
TIC2022**



**Mision  
TIC2022**

The logo features the text "Mision TIC2022" in a bold, sans-serif font. The word "Mision" is in blue, "TIC" is in red, and "2022" is in blue. A red curved line starts from the top of the letter "i" in "Mision" and ends at the bottom of the letter "c" in "TIC". The background of the logo is a white circle with a gray halftone dot pattern, set against a dark red circular frame.

Universidad de Caldas