22 DE FEBRERO DE 2024

PRÁCTICA 2

BASE DE DATOS − BIBLIOTECA

ARLETTE MARICELA RODRIGUEZ FLORES
PROGRAMACIÓN WEB II
Imelda Hernández

Captura de Base de datos – MariaDB

```
| id_pres | int(11)     | NO  | PRI | NULL |   |
| id_user | int(11)     | YES | MUL | NULL |   |
| id_emp  | int(11)     | YES | MUL | NULL |   |
| fecha_p | varchar(10) | YES |     | NULL |   |
| fecha_e | varchar(10) | YES |     | NULL |   |
+---------+-------------+-----+-----+---------+-------+
5 rows in set (0.020 sec)

MariaDB [biblio]> create table detalle_pres (
    -> id_pres int,
    -> codigo_m int,
    -> cantidad int,
    -> foreign key (id_pres) references prestamos(id_pres),
    -> foreign key (codigo_m) references mats(codigo_m)
    -> );
Query OK, 0 rows affected (0.028 sec)

MariaDB [biblio]> describe detalle_pres;
+----------+---------+------+-----+---------+-------+
| Field    | Type    | Null | Key | Default | Extra |
+----------+---------+------+-----+---------+-------+
| id_pres  | int(11) | YES  | MUL | NULL    |       |
| codigo_m | int(11) | YES  | MUL | NULL    |       |
| cantidad | int(11) | YES  |     | NULL    |       |
+----------+---------+------+-----+---------+-------+
3 rows in set (0.013 sec)

MariaDB [biblio]>
```

```
MariaDB [biblio]> CREATE TABLE prestamos (
    ->    id_pres INT PRIMARY KEY,
    ->    id_user INT,
    ->    id_emp INT,
    ->    fecha_p VARCHAR(10),
    ->    fecha_e VARCHAR(10),
    ->    FOREIGN KEY (id_user) REFERENCES usuarios(id_user),
    ->    FOREIGN KEY (id_emp) REFERENCES empleados(id_emp)
    -> );
ERROR 1005 (HY000): Can't create table `biblio`.`prestamos` (errno: 150 "Foreign key constraint is incorrectly formed")
MariaDB [biblio]> CREATE TABLE prestamos (
    ->    ->    id_pres INT PRIMARY KEY,
    ->    ->    id_user INT,
    ->    ->    id_emp INT,
    ->    ->    fecha_p VARCHAR(10),
    ->    ->    fecha_e VARCHAR(10),
    ->    ->    FOREIGN KEY (id_user) REFERENCES usuarios(id_user),
    ->    ->    FOREIGN KEY (id_emp) REFERENCES empleado(id_emp)
    -> );
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '->    id_pres INT PRIMARY KEY,
    ->    id_user INT,
    ->    id_emp INT...' at line 2
MariaDB [biblio]> CREATE TABLE prestamos (
    ->    id_pres INT PRIMARY KEY,
    ->    id_user INT,
    ->    id_emp INT,
    ->    fecha_p VARCHAR(10),
    ->    fecha_e VARCHAR(10),
    ->    FOREIGN KEY (id_user) REFERENCES usuarios(id_user),
    ->    FOREIGN KEY (id_emp) REFERENCES empleado(id_emp)
    -> );
Query OK, 0 rows affected (0.035 sec)

MariaDB [biblio]> describe prestamos
    -> ;
+---------+-------------+------+-----+---------+-------+
| Field   | Type        | Null | Key | Default | Extra |
+---------+-------------+------+-----+---------+-------+
| id_pres | int(11)     | NO   | PRI | NULL    |       |
| id_user | int(11)     | YES  | MUL | NULL    |       |
| id_emp  | int(11)     | YES  | MUL | NULL    |       |
| fecha_p | varchar(10) | YES  |     | NULL    |       |
| fecha_e | varchar(10) | YES  |     | NULL    |       |
+---------+-------------+------+-----+---------+-------+
```

```
    ->     FOREIGN KEY (id_emp) REFERENCES empleados(id_emp)
    -> );
ERROR 1005 (HY000): Can't create table `biblio`.`prestamos` (errno: 150 "Foreign key constraint is incorrectly formed")
MariaDB [biblio]> CREATE TABLE prestamos (
    ->     id_pres INT PRIMARY KEY,
    ->     id_user INT,
    ->     id_emp INT,
    ->     fecha_p VARCHAR(10),
    ->     fecha_e VARCHAR(10),
    ->     FOREIGN KEY (id_user) REFERENCES usuarios(id_user),
    ->     FOREIGN KEY (id_emp) REFERENCES empleados(id_emp)
    -> );
ERROR 1005 (HY000): Can't create table `biblio`.`prestamos` (errno: 150 "Foreign key constraint is incorrectly formed")
MariaDB [biblio]> describe usuarios
    -> ;
+---------+-------------+------+-----+---------+----------------+
| Field   | Type        | Null | Key | Default | Extra          |
+---------+-------------+------+-----+---------+----------------+
| id_user | int(11)     | NO   | PRI | NULL    | auto_increment |
| nombre  | varchar(30) | YES  |     | NULL    |                |
| apell_p | varchar(20) | YES  |     | NULL    |                |
| apell_m | varchar(20) | YES  |     | NULL    |                |
| fecha_n | date        | YES  |     | NULL    |                |
+---------+-------------+------+-----+---------+----------------+
5 rows in set (0.017 sec)

MariaDB [biblio]> describe empleado;
+-----------+-------------+------+-----+---------+-------+
| Field     | Type        | Null | Key | Default | Extra |
+-----------+-------------+------+-----+---------+-------+
| id_emp    | int(11)     | NO   | PRI | NULL    |       |
| nom_emp   | varchar(50) | YES  |     | NULL    |       |
| apell_p_emp | varchar(20) | YES |     | NULL    |       |
| apell_m_emp | varchar(20) | YES |     | NULL    |       |
| tel_emp   | int(11)     | YES  |     | NULL    |       |
| rfc       | varchar(11) | YES  |     | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
6 rows in set (0.015 sec)

MariaDB [biblio]> CREATE TABLE prestamos (
    ->     id_pres INT PRIMARY KEY,
    ->     id_user INT,
    ->     id_emp INT,
    ->     fecha_p VARCHAR(10),
    ->     fecha_e VARCHAR(10),
```

```
MariaDB [biblio]> create table empleado (
    -> id_emp int primary key,
    -> nom_emp varchar(50),
    -> apell_p_emp varchar(20),
    -> apell_m_emp varchar(20),
    -> tel_emp int,
    -> rfc varchar(11)
    -> );
Query OK, 0 rows affected (0.013 sec)

MariaDB [biblio]> describe empleado;
+-----------+-------------+------+-----+---------+-------+
| Field     | Type        | Null | Key | Default | Extra |
+-----------+-------------+------+-----+---------+-------+
| id_emp    | int(11)     | NO   | PRI | NULL    |       |
| nom_emp   | varchar(50) | YES  |     | NULL    |       |
| apell_p_emp | varchar(20) | YES |     | NULL    |       |
| apell_m_emp | varchar(20) | YES |     | NULL    |       |
| tel_emp   | int(11)     | YES  |     | NULL    |       |
| rfc       | varchar(11) | YES  |     | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
6 rows in set (0.021 sec)

MariaDB [biblio]> create table prestamos (
    -> id_pres int primary key,
    -> id_user int foreign key,
    -> id_emp int foreign key,
    -> fecha_p varchar(10),
    -> fecha_e varchar(10)
    -> );
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'foreign key,
id_emp int foreign key,
fecha_p varchar(10),
fecha_e varchar(10)
)' at line 3
MariaDB [biblio]> CREATE TABLE prestamos (
    ->     id_pres INT PRIMARY KEY,
    ->     id_user INT,
    ->     id_emp INT,
    ->     fecha_p VARCHAR(10),
    ->     fecha_e VARCHAR(10),
    ->     FOREIGN KEY (id_user) REFERENCES usuarios(id_user),
    ->     FOREIGN KEY (id_emp) REFERENCES empleados(id_emp)
    -> );
```

```
MariaDB [biblio]> describe usuarios;
+---------+-------------+------+-----+---------+----------------+
| Field   | Type        | Null | Key | Default | Extra          |
+---------+-------------+------+-----+---------+----------------+
| id_user | int(11)     | NO   | PRI | NULL    | auto_increment |
| nombre  | varchar(30) | YES  |     | NULL    |                |
| apell_p | varchar(20) | YES  |     | NULL    |                |
| apell_m | varchar(20) | YES  |     | NULL    |                |
| fecha_n | date        | YES  |     | NULL    |                |
+---------+-------------+------+-----+---------+----------------+
5 rows in set (0.016 sec)

MariaDB [biblio]> create table prestamo (id_prestamo int auto_increment primary key, id_user int foreign key, id_empleado int foreign key, fecha_p date, fecha_e date);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'foreign key, id_empleado int foreign
, fecha_p date, fecha_e date)' at line 1
MariaDB [biblio]> create table mats (codigo_m int primary key, titulo varchar(50), autor varchar (50), editorial varchar(50));
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '(50))' at line 1
MariaDB [biblio]> create table mats (
    -> codigo_m int primary key,
    -> titulo varchar(50),
    -> autor varchar(50),
    -> editorial varchar(25)
    -> );
Query OK, 0 rows affected (0.016 sec)

MariaDB [biblio]> describe mats;
+-----------+-------------+------+-----+---------+-------+
| Field     | Type        | Null | Key | Default | Extra |
+-----------+-------------+------+-----+---------+-------+
| codigo_m  | int(11)     | NO   | PRI | NULL    |       |
| titulo    | varchar(50) | YES  |     | NULL    |       |
| autor     | varchar(50) | YES  |     | NULL    |       |
| editorial | varchar(25) | YES  |     | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
4 rows in set (0.022 sec)

MariaDB [biblio]> create table empleado (
    -> id_emp int primary key,
    -> nom_emp varchar(50),
    -> apell_p_emp varchar(20),
    -> apell_m_emp varchar(20),
    -> tel_emp int,
    -> rfc varchar(15)
    -> );
    -> ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'table' at line 1
MariaDB [biblio]> select * from usuario;
ERROR 1146 (42S02): Table 'biblio.usuario' doesn't exist
MariaDB [biblio]> create table usuario CREATE TABLE usuarios (
    ->     id INT AUTO_INCREMENT PRIMARY KEY,
    ->     nombre VARCHAR(50),
    ->     edad INT,
    ->     email VARCHAR(100)
    ->
    -> fsd
    -> sdfsf;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'CREATE TABLE usuarios (
    id INT AUTO_INCREMENT PRIMARY KEY,
    nombre VAR...' at line 1
MariaDB [biblio]> CREATE TABLE usuarios (
    ->     id INT AUTO_INCREMENT PRIMARY KEY,
    ->     nombre VARCHAR(50),
    ->     edad INT,
    ->     email VARCHAR(100)
    -> fsdfsfs;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '' at line 6
MariaDB [biblio]>  CREATE TABLE usuarios (    id INT AUTO_INCREMENT PRIMARY KEY;
    -> dfasdf;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '' at line 2
MariaDB [biblio]> CREATE TABLE usuarios (    id_user INT AUTO_INCREMENT PRIMARY KEY, nombre varchar(30), apell_p varchar(20), apell_m varchar(20), fecha_n date);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '(30], apell_p varchar(20], apell_m varch
ar(20], fecha_n date)' at line 1
MariaDB [biblio]> CREATE TABLE usuarios (
    ->     id_user INT AUTO_INCREMENT PRIMARY KEY,
    ->     nombre VARCHAR(30),
    ->     apell_p VARCHAR(20),
    ->     apell_m VARCHAR(20),
    ->     fecha_n DATE
    -> );
Query OK, 0 rows affected (0.014 sec)

MariaDB [biblio]> select * from usuario;
ERROR 1146 (42S02): Table 'biblio.usuario' doesn't exist
MariaDB [biblio]> select * from usuarios;
Empty set (0.002 sec)

MariaDB [biblio]> describe usuarios;
+---------+-------------+------+-----+---------+----------------+
| Field   | Type        | Null | Key | Default | Extra          |
```

phpMyAdmin

Reciente Favoritas

- Nueva
- biblio
  - Nueva
  - detalle_pres
  - empleado
  - mats
  - prestamos
  - usuarios

Servidor: 127.0.0.1 » Base de datos: biblio » Tabla: usuarios

Examinar | Estructura | SQL | Buscar | Insertar | Ex

✔ MySQL ha devuelto un conjunto de valores vacío (es decir: cero columnas). (La cons

SELECT * FROM `usuarios`

☐ Perfilando [Editar en línea] [Editar] [Explicar SQL] [Crear código PHP] [Actualizar

| id_user | nombre | apell_p | apell_m | fecha_n |

Operaciones sobre los resultados de la consulta

Crear vista

---

phpMyAdmin

Reciente Favoritas

- Nueva
- biblio
  - Nueva
  - detalle_pres
  - empleado
  - mats
  - prestamos
  - usuarios

Servidor: 127.0.0.1 » Base de datos: biblio »

Examinar | Estructura | SQL | Busc

✔ MySQL ha devuelto un conjunto de valores vacío (es dec

SELECT * FROM `prestamos`

☐ Perfilando [Editar en línea] [Editar] [Explicar SQL] [C

| id_pres | id_user | id_emp | fecha_p | fecha_e |

Operaciones sobre los resultados de la consulta

Crear vista

---

phpMyAdmin

Reciente Favoritas

- Nueva
- biblio
  - Nueva
  - detalle_pres
  - empleado
  - mats
  - prestamos
  - usuarios

Servidor: 127.0.0.1 » Base de datos: biblio » Tabla: mats

Examinar | Estructura | SQL | Buscar | Insertar | Expo

✔ MySQL ha devuelto un conjunto de valores vacío (es decir: cero columnas). (La consulta

SELECT * FROM `mats`

☐ Perfilando [Editar en línea] [Editar] [Explicar SQL] [Crear código PHP] [Actualizar]

| codigo_m | titulo | autor | editorial |

Operaciones sobre los resultados de la consulta

Crear vista

MariaDB [(none)]> use biblio

Database changed

MariaDB [biblio]> create table usuario;

MariaDB [biblio]> CREATE TABLE usuarios (

   -> id_user INT AUTO_INCREMENT PRIMARY KEY,

   -> nombre VARCHAR(30),

   -> apell_p VARCHAR(20),

   -> apell_m VARCHAR(20),

   -> fecha_n DATE

   ->);

Query OK, 0 rows affected (0.014 sec)

 [biblio]> select * from usuarios;

Empty set (0.002 sec)

MariaDB [biblio]> describe usuarios;

+--------+----------+------+-----+---------+------------+

| Field | Type | Null | Key | Default | Extra |

+--------+----------+------+-----+---------+------------+

| id_user | int(11) | NO | PRI | NULL | auto_increment |

| nombre | varchar(30) | YES | | NULL | |

| apell_p | varchar(20) | YES | | NULL | |

| apell_m | varchar(20) | YES | | NULL | |

| fecha_n | date | YES | | NULL | |

+--------+----------+------+-----+---------+------------+

5 rows in set (0.016 sec)

MariaDB [biblio]> create table mats (

   -> codigo_m int primary key,

   -> titulo varchar(30),

   -> autor varchar(50),

   -> editorial varchar(25)

   ->);

Query OK, 0 rows affected (0.016 sec)

MariaDB [biblio]> describe mats;

```
+--------+----------+-----+-----+-------+-----+
| Field    | Type      | Null | Key | Default | Extra |
+--------+----------+-----+-----+-------+-----+
| codigo_m | int(11)    | NO  | PRI | NULL   |    |
| titulo   | varchar(30) | YES |    | NULL   |    |
| autor    | varchar(50) | YES |    | NULL   |    |
| editorial | varchar(25) | YES |    | NULL   |    |
+--------+----------+-----+-----+-------+-----+
```

4 rows in set (0.022 sec)

MariaDB [biblio]> create table empleado (

   -> id_emp int primary key,

   -> nom_emp varchar(50),

   -> apell_p_emp varchar(20),

   -> apell_m_emp varchar(20),

```
    -> tel_emp int,

    -> rfc varchar(11)

    -> );
```

```
MariaDB [biblio]> describe empleado;
```

Field	Type	Null	Key	Default	Extra
id_emp	int(11)	NO	PRI	NULL	
nom_emp	varchar(50)	YES		NULL	
apell_p_emp	varchar(20)	YES		NULL	
apell_m_emp	varchar(20)	YES		NULL	
tel_emp	int(11)	YES		NULL	
rfc	varchar(11)	YES		NULL	

```
MariaDB [biblio]> describe usuarios
    -> ;
```

Field	Type	Null	Key	Default	Extra
id_user	int(11)	NO	PRI	NULL	auto_increment
nombre	varchar(30)	YES		NULL	
apell_p	varchar(20)	YES		NULL	
apell_m	varchar(20)	YES		NULL	
fecha_n	date	YES		NULL	

MariaDB [biblio]> describe empleado;

Field	Type	Null	Key	Default	Extra
id_emp	int(11)	NO	PRI	NULL	
nom_emp	varchar(50)	YES		NULL	
apell_p_emp	varchar(20)	YES		NULL	
apell_m_emp	varchar(20)	YES		NULL	
tel_emp	int(11)	YES		NULL	
rfc	varchar(11)	YES		NULL	

MariaDB [biblio]> describe prestamos
    -> ;

Field	Type	Null	Key	Default	Extra
id_pres	int(11)	NO	PRI	NULL	
id_user	int(11)	YES	MUL	NULL	
id_emp	int(11)	YES	MUL	NULL	
fecha_p	varchar(10)	YES		NULL	
fecha_e	varchar(10)	YES		NULL	

MariaDB [biblio]> create table detalle_pres (

```
    -> id_pres int,

    -> codigo_m  int,

    -> cantidad int,

    -> foreign key (id_pres) references prestamos(id_pres),

    -> foreign key (codigo_m) references mats(codigo_m)

    -> );
```
Query OK, 0 rows affected (0.028 sec)

MariaDB [biblio]> describe detalle_pres;

Field	Type	Null	Key	Default	Extra
id_pres	int(11)	YES	MUL	NULL	
codigo_m	int(11)	YES	MUL	NULL	
cantidad	int(11)	YES		NULL	

3 rows in set (0.013 sec)