PRACTICA CALIFICADA

TALLER DE PROGRAMACIÓN WEB – SESIÓN 12

INSTRUCCIONES: Plasme la codificación SQL en el workBench MySQL.

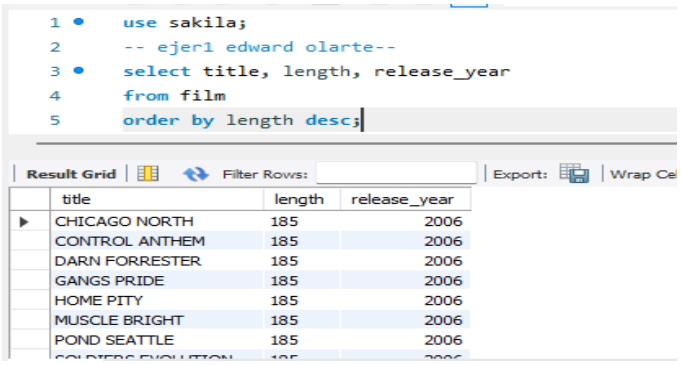
Usando la base de datos Sakila:

- Abrir MySQL Workbench y conectar a su servidor local.
- Seleccionar la base de datos sakila con el siguiente comando:
  USE sakila;
- Comenta con tus palabras cada parte y Guardar el archivo como: TUSAPELLIDOS.sql y enviar a la carpeta compartida.

Parte 1: Consultas simples y filtros (25 minutos)

Consulta de películas disponibles

SELECT title, length, release_year
FROM film
ORDER BY length DESC;



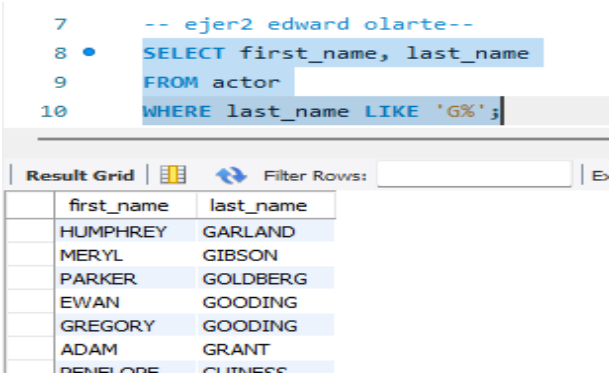
```
1  use sakila;
2  -- ejer1 edward olarte--
3  select title, length, release_year
4  from film
5  order by length desc;
```

Result Grid | Filter Rows: | Export: | Wrap Ce

title	length	release_year
CHICAGO NORTH	185	2006
CONTROL ANTHEM	185	2006
DARN FORRESTER	185	2006
GANGS PRIDE	185	2006
HOME PITY	185	2006
MUSCLE BRIGHT	185	2006
POND SEATTLE	185	2006

Filtrado de actores

SELECT first_name, last_name
FROM actor
WHERE last_name LIKE 'G%';



```
7  -- ejer2 edward olarte--
8  SELECT first_name, last_name
9  FROM actor
10 WHERE last_name LIKE 'G%';
```

Result Grid | Filter Rows:

first_name	last_name
HUMPHREY	GARLAND
MERYL	GIBSON
PARKER	GOLDBERG
EWAN	GOODING
GREGORY	GOODING
ADAM	GRANT

Películas de duración específica

SELECT title, length, release_year
FROM film
WHERE length >= 120 AND release_year > 2005;

```
12      -- ejer3 edward olarte--
13      SELECT title, length, release_year
14      FROM film
15      WHERE length >= 120 AND release_year > 2005;
```

Result Grid | Filter Rows: | Export: | Wrap C

title	length	release_year
AFRICAN EGG	130	2006
AGENT TRUMAN	169	2006
ALAMO VIDEOTAPE	126	2006
ALASKA PHANTOM	136	2006
ALI FOREVER	150	2006
ALLEY EVOLUTION	180	2006

Parte 2: Manipulación de datos (INSERT, UPDATE, DELETE) (25 minutos)

Agregar un nuevo cliente

INSERT INTO customer (store_id, first_name, last_name, email, address_id, active, create_date)
VALUES (1, 'Luis', 'Torres', 'luis.torres@email.com', 5, 1, NOW());

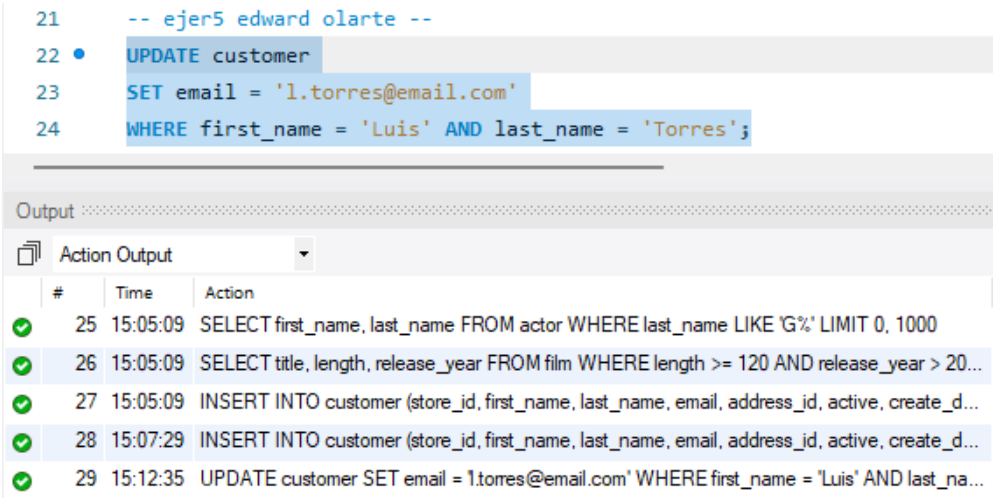
```
7       -- ejer4 edward olarte--
8       INSERT INTO customer (store_id, first_name, last_name, email, address_id, active, create_date)
9       VALUES (1, 'Luis', 'Torres', 'luis.torres@email.com', 5, 1, NOW());
```

Action Output

#	Time	Action	Message
16	15:05:07	SELECT title, length, release_year FROM film WHERE length >= 120 AND release_year > 20...	466 row(s) returned
17	15:05:07	INSERT INTO customer (store_id, first_name, last_name, email, address_id, active, create_d...	1 row(s) affected
18	15:05:09	use sakila	0 row(s) affected
19	15:05:09	select title, length, release_year from film order by length desc LIMIT 0, 1000	1000 row(s) returned
20	15:05:09	SELECT first_name, last_name FROM actor WHERE last_name LIKE 'G%' LIMIT 0, 1000	12 row(s) returned

Actualizar información del cliente

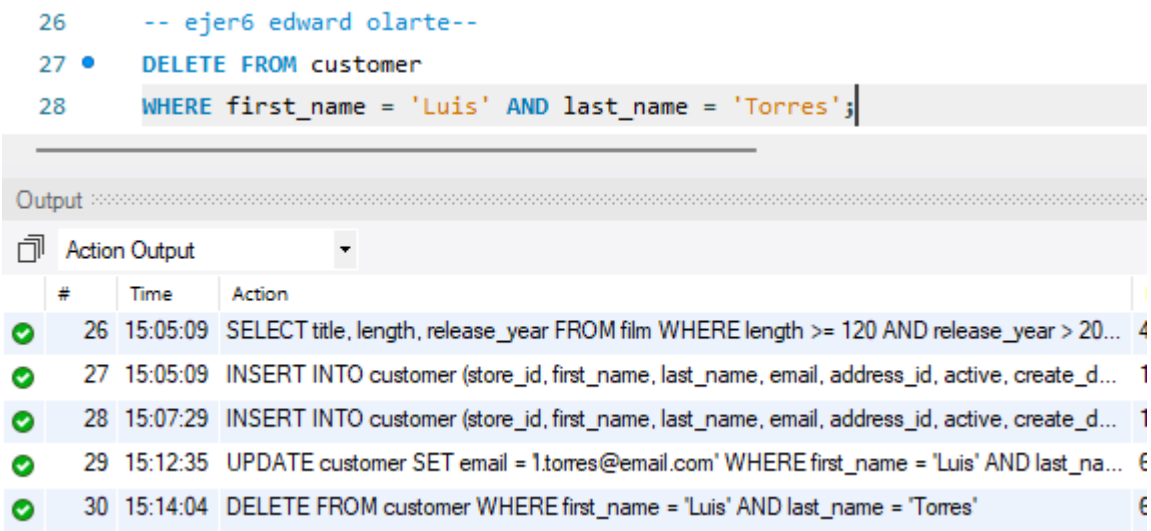
UPDATE customer
SET email = 'l.torres@email.com'
WHERE first_name = 'Luis' AND last_name = 'Torres';



Eliminar un cliente (simulación de baja)

DELETE FROM customer
WHERE first_name = 'Luis' AND last_name = 'Torres';

-- Nota: Si hay restricciones por llaves foráneas, esta línea puede comentarse.



Parte 3: JOINs entre tablas (40 minutos)

Películas y su categoría

SELECT f.title, c.name AS category, f.length
FROM film f
INNER JOIN film_category fc ON f.film_id = fc.film_id
INNER JOIN category c ON fc.category_id = c.category_id
ORDER BY c.name;

```
30      -- ejer7 edward olarte--
31      SELECT f.title, c.name AS category, f.length
32      FROM film f
33      INNER JOIN film_category fc ON f.film_id = fc.film_id
34      INNER JOIN category c ON fc.category_id = c.category_id
35      ORDER BY c.name;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

title	category	length
AMADEUS HOLY	Action	113
AMERICAN CIRCUS	Action	129
ANTITRUST TOMATOES	Action	168
ARK RIDGEMONT	Action	68
BAREFOOT MANCHURIAN	Action	129
BERETS AGENT	Action	77
BRIDE INTRIGUE	Action	56

Clientes y su dirección

SELECT c.first_name, c.last_name, a.address, a.district, a.postal_code
FROM customer c
INNER JOIN address a ON c.address_id = a.address_id;

```
37      -- ejer8 edward olarte--
38      SELECT c.first_name, c.last_name, a.address, a.district, a.postal_code
39      FROM customer c
40      INNER JOIN address a ON c.address_id = a.address_id;
41
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

first_name	last_name	address	district	postal_code
MARY	SMITH	1913 Hanoi Way	Nagasaki	35200
PATRICIA	JOHNSON	1121 Loja Avenue	California	17886
LINDA	WILLIAMS	692 Joliet Street	Attika	83579
BARBARA	JONES	1566 Inegöl Manor	Mandalay	53561
ELIZABETH	BROWN	53 Idfu Parkway	Nantou	42399
JENNIFER	DAVIS	1795 Santiago de Compostela Way	Texas	18743
MARIA	MILLER	900 Santiago de Compostela Parkway	Central Serbia	93896
SUSAN	WILSON	478 Joliet Way	Hamilton	77948
MARGARET	MOORE	613 Korolev Drive	Masqat	45844
DOROTHY	TAYLOR	1531 Salé Drive	Esfahan	53628
LISA	ANDERSON	1542 Tarlac Parkway	Kanagawa	1027

Películas alquiladas por un cliente específico

```
SELECT f.title, r.rental_date
FROM customer c
INNER JOIN rental r ON c.customer_id = r.customer_id
INNER JOIN inventory i ON r.inventory_id = i.inventory_id
INNER JOIN film f ON i.film_id = f.film_id
WHERE c.first_name = 'MARY' AND c.last_name = 'SMITH'
ORDER BY r.rental_date DESC;
```

```
42      -- ejer9 edward olarte--
43      SELECT f.title, r.rental_date
44      FROM customer c
45      INNER JOIN rental r ON c.customer_id = r.customer_id
46      INNER JOIN inventory i ON r.inventory_id = i.invento
47      INNER JOIN film f ON i.film_id = f.film_id
48      WHERE c.first_name = 'MARY' AND c.last_name = 'SMITH
49      ORDER BY r.rental_date DESC;
50
```

Result Grid | Filter Rows: | Export: | Wrap Cell Cor

title	rental_date
BIKINI BORROWERS	2005-08-22 20:03:46
FIREBALL PHILADELPHIA	2005-08-22 19:41:37
FIREBALL PHILADELPHIA	2005-08-22 01:27:57
UNFORGIVEN ZOOLANDER	2005-08-21 23:33:57
JUMANJI BLADE	2005-08-19 13:56:54
PATIENT SISTER	2005-08-19 09:55:16
DALMATIONS SWEDEN	2005-08-18 03:57:29
MINDS TRUMAN	2005-08-17 12:37:54
FINDING ANACONDA	2005-08-02 18:01:38
RACER EGG	2005-08-02 15:36:52
ADAPTATION HOLES	2005-08-01 08:51:04
JEEPERS WEDDING	2005-07-31 02:42:18
AMISTAD MIDSUMMER	2005-07-29 03:58:49
WOMEN DORADO	2005-07-28 19:20:07

Instrucciones para los estudiantes

1. Abrir MySQL Workbench y conectar a su servidor local.
2. Seleccionar la base de datos sakila con el siguiente comando:
   USE sakila;
3. Ejecutar cada una de las instrucciones anteriores.
4. Comentar brevemente debajo de cada consulta su propósito.
5. Guardar el archivo como: Practica_Sakila_<Apellido>.sql y enviarlo al aula virtual o al correo del docente.