

# Ejercitación Script y DER

**Profesoras:** 

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Fecha:

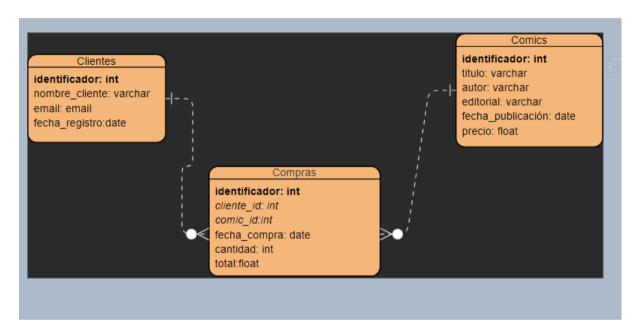
19/09/2024

### **ACTIVIDAD**

## Base de Datos para una Librería de Cómics

- Tabla Clientes:
  - identificador, nombre cliente, email, fecha registro
- Tabla Cómics:
  - identificador, título, autor, editorial, fecha\_publicación, precio
- Tabla Compras:
  - identificador, cliente\_id, comic\_id, fecha\_compra, cantidad, total

# Diagrama DER



## • Creación de tablas (script):

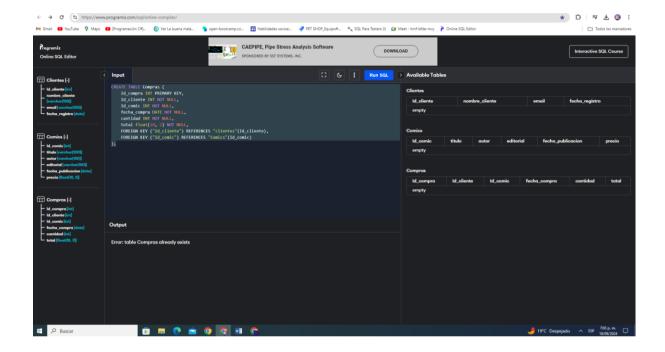
-- Tabla Clientes

```
CREATE TABLE Clientes (
Id_cliente INT PRIMARY KEY AUTO_INCREMENT, nombre_cliente VARCHAR(100) NOT NULL, email VARCHAR(100) UNIQUE NOT NULL, fecha_registro DATE NOT NULL
);

-- Tabla Cómics
CREATE TABLE Comics (
Id_comic INT PRIMARY KEY AUTO_INCREMENT, titulo VARCHAR(200) NOT NULL, autor VARCHAR(100) NOT NULL, editorial VARCHAR(100) NOT NULL, fecha_publicacion DATE NOT NULL, precio Float (10, 2) NOT NULL
```

```
CREATE TABLE Compras (
    Id_compra INT PRIMARY KEY,
    Id_cliente INT NOT NULL,
    Id_comic INT NOT NULL,
    fecha_compra DATE NOT NULL,
    cantidad INT NOT NULL,
    total float(10, 2) NOT NULL,
    FOREIGN KEY ("Id_cliente") REFERENCES "clientes"(Id_cliente),
    FOREIGN KEY ("Id_comic") REFERENCES "Comics"(Id_comic));
```

);



### • Insertar datos en la tabla Clientes:

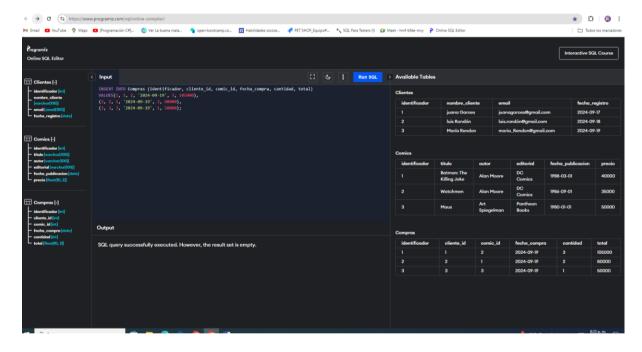
INSERT INTO Clientes (identificador, nombre\_cliente, email, fecha\_registro) VALUES (1, 'juana Garces', 'juanagarces@gmail.com', '2024-09-17'), (2, 'luis Rondón', 'luis.rondón@gmail.com', '2024-09-18'), (3, 'María Rendon', 'maria\_Rendon@gmail.com', '2024-09-19');

INSERT INTO Comics (identificador, titulo, autor, editorial, fecha\_publicacion, precio) VALUES(1, 'Batman: The Killing Joke', 'Alan Moore', 'DC Comics', '1988-03-01', 40000), (2, 'Watchmen', 'Alan Moore', 'DC Comics', '1986-09-01', 35000), (3, 'Maus', 'Art Spiegelman', 'Pantheon Books', '1980-01-01',50000);

INSERT INTO Compras (identificador, cliente\_id, comic\_id, fecha\_compra, cantidad, total) VALUES(1, 1, 2, '2024-09-19', 3, 105000), (2, 2, 1, '2024-09-19', 2, 80000), (3, 3, 3, '2024-09-19', 1, 50000);

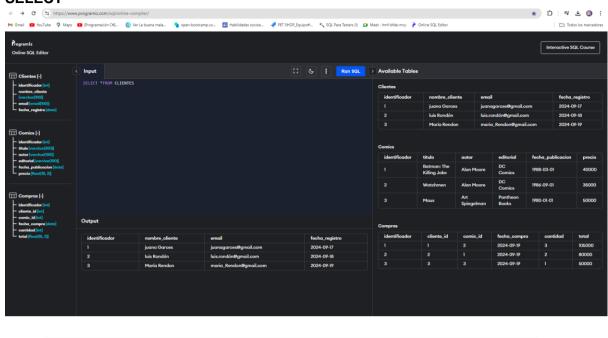
```
CREATE TABLE Clientes (
identificador INT PRIMARY KEY,
nombre_cliente VARCHAR(100) NOT NULL,
email Email(100) NOT NULL,
fecha_registro DATE NOT NULL
);

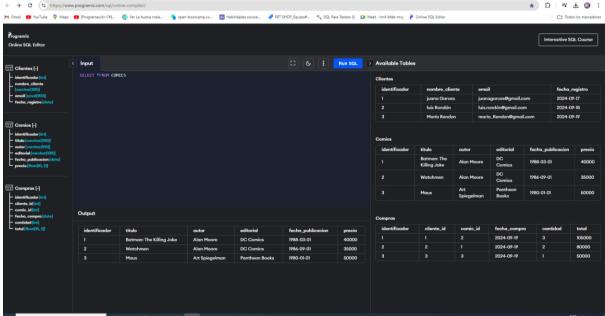
CREATE TABLE Comics (
identificador INT PRIMARY KEY,
titulo VARCHAR(200) NOT NULL,
autor VARCHAR(100) NOT NULL,
editorial VARCHAR(100) NOT NULL,
fecha_publicacion DATE,
precio float(10, 2) NOT NULL
);
```

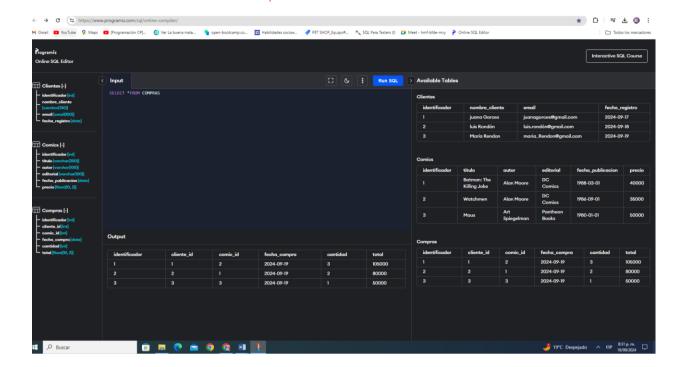


# Consultas con:

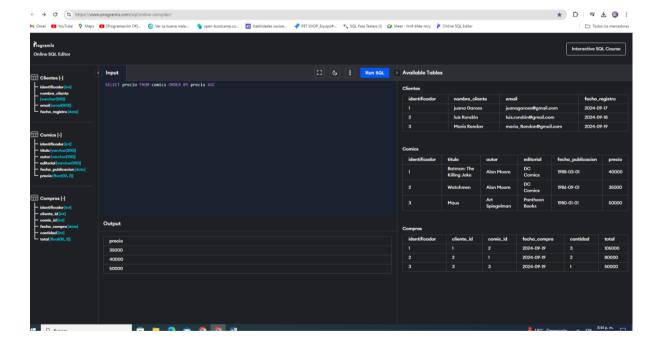
### **SELECT**







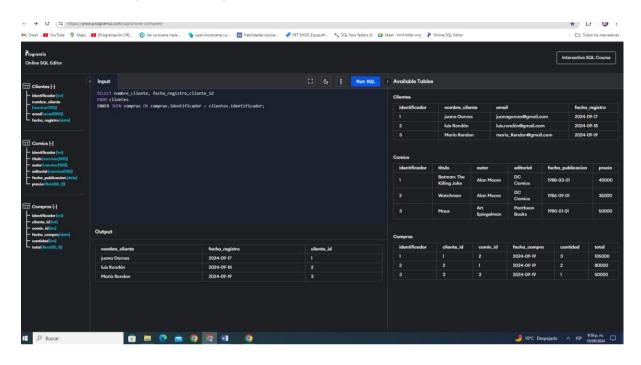
SELECT precio FROM comics ORDER BY precio ASC

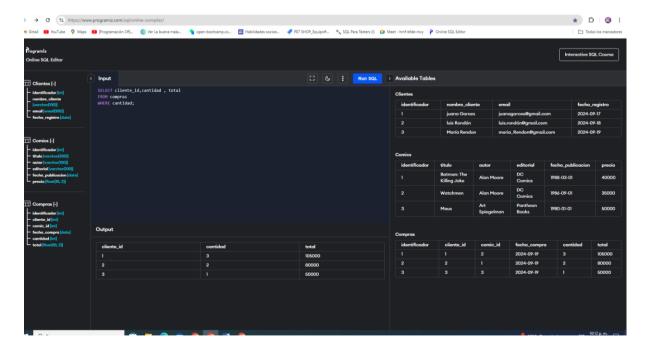


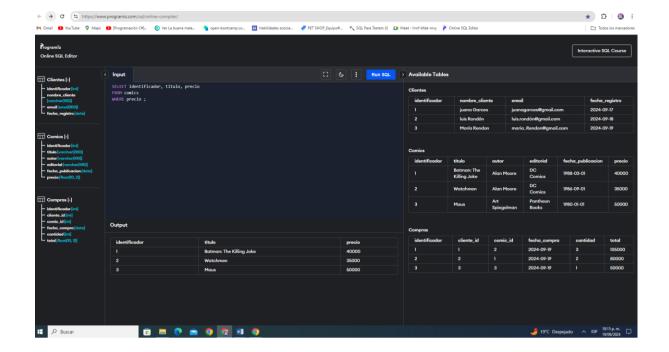
# INNER JOIN

SELECT nombre\_cliente, fecha\_registro,cliente\_id FROM clientes

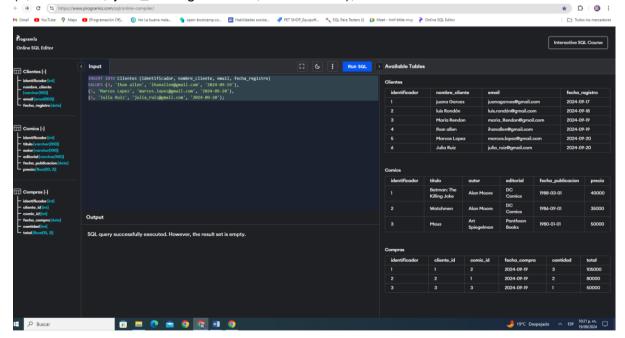
INNER JOIN compras ON compras.identificador = clientes.identificador;

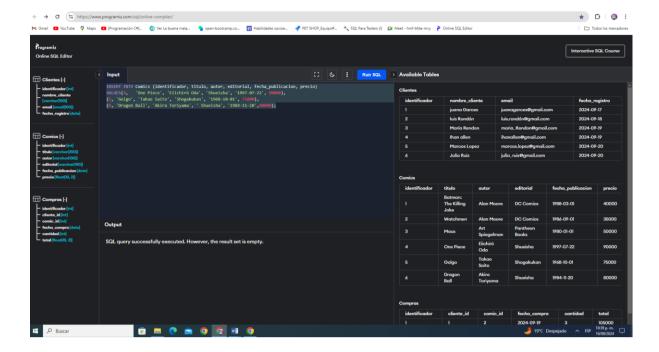




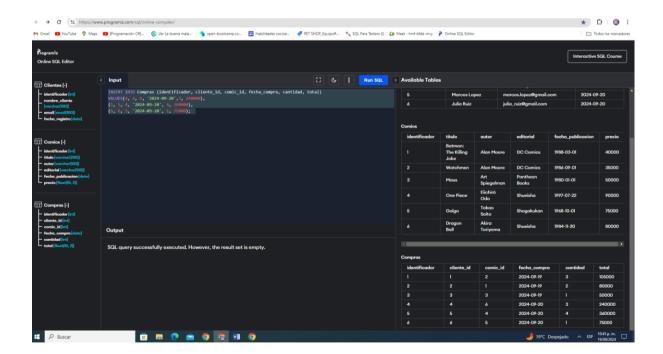


- INSERT INTO Clientes (identificador, nombre\_cliente, email, fecha\_registro) VALUES (4, 'Ihan allen', 'ihanallen@gmail.com', '2024-09-19'),
- (5, 'Marcos Lopez', 'marcos.lopez@gmail.com', '2024-09-20'),
- (6, 'Julia Ruiz', 'julia\_ruiz@gmail.com', '2024-09-20');





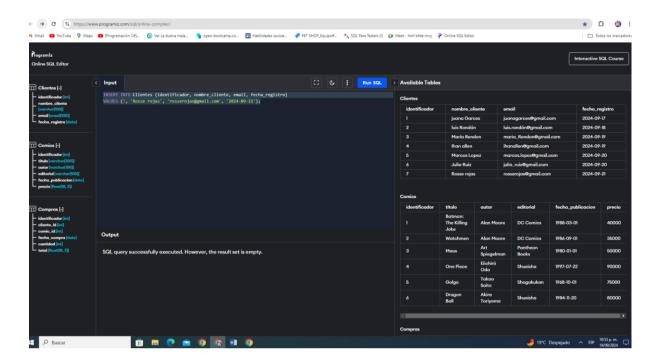
- INSERT INTO Comics (identificador, titulo, autor, editorial, fecha\_publicacion, precio) VALUES(4, 'One Piece', 'Eiichirō Oda', 'Shueisha', '1997-07-22', 90000),
- (5, 'Golgo', 'Takao Saito', 'Shogakukan', '1968-10-01', 75000),
- (6, 'Dragon Ball', 'Akira Toriyama', 'Shueisha', '1984-11-20',80000);



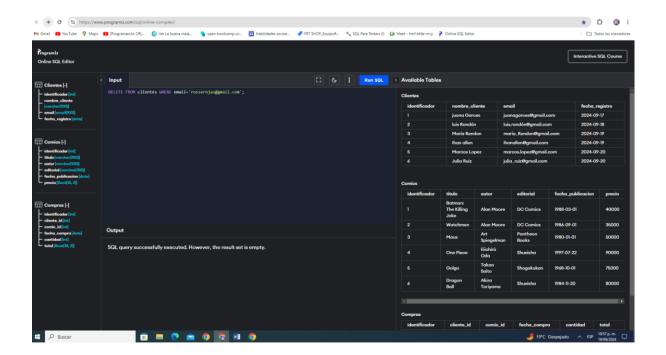
INSERT INTO Compras (identificador, cliente\_id, comic\_id, fecha\_compra, cantidad, total)

VALUES(4, 4, 6, '2024-09-20',3, 240000), (5, 5, 4, '2024-09-20', 4, 360000),

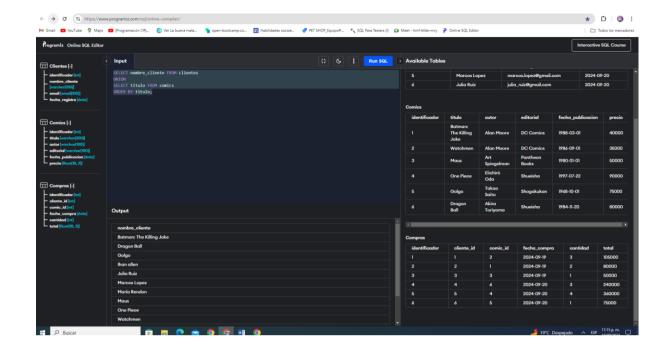
(6, 6, 5, '2024-09-20', 1, 75000);



• INSERT INTO Clientes (identificador, nombre\_cliente, email, fecha\_registro) VALUES (7, 'Rosse rojas', 'rosserojas@gmail.com', '2024-09-21');



• DELETE FROM clientes WHERE email='rosserojas@gmail.com';



 SELECT nombre\_cliente FROM clientes UNION
 SELECT titulo FROM comics
 ORDER BY titulo;