

ACTIVIDAD SCRIPTS -BBDD

PRESENTADO POR:
DANIELA HURTADO USECHE

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EJERCICIO SELECCIONADO

2. Base de Datos para una Librería de Cómic

- Tabla Clientes:

- identificador, nombre_cliente, email, fecha_registro

- Tabla Cómic:

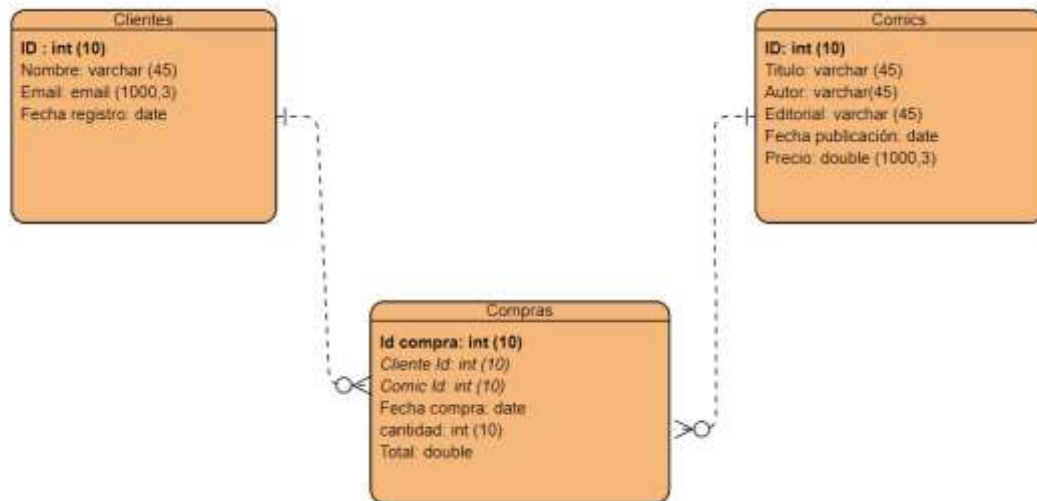
- identificador, título, autor, editorial, fecha_publicación, precio

- Tabla Compras:

- identificador, cliente_id, comic_id, fecha_compra, cantidad, total

SOLUCIÓN

DER



SCRIPTS

The screenshot shows the Program2.com Online SQL Editor. The left sidebar lists the tables and their columns: **CLIENTES** (ID, NOMBRE, EMAIL, FECHA REGISTRO), **COMICS** (ID, TITULO, AUTOR, EDITORIAL, FECHA PUBLICACION, PRECIO \$), and **COMPRAS** (ID COMPRA, CLIENTE ID, COMIC ID, FECHA COMPRA, CANTIDAD, TOTAL \$). The central input area contains the following SQL code:

```
CREATE TABLE "CLIENTES" (
  "ID" int(10) NOT NULL,
  "NOMBRE" varchar(45) NOT NULL,
  "EMAIL" email(100) NOT NULL,
  "FECHA REGISTRO" date NOT NULL,
  PRIMARY KEY ("id"));

CREATE TABLE "COMICS" (
  "ID COMPRA" int(10) NOT NULL,
  "CLIENTE ID" int(10) NOT NULL,
  "COMIC ID" int(10) NOT NULL,
  "FECHA COMPRA" date NOT NULL,
  "CANTIDAD" int(10) NOT NULL,
  "TOTAL $" double(1000,3) NOT NULL,
  PRIMARY KEY ("ID COMPRA"),
  FOREIGN KEY ("CLIENTE ID") REFERENCES "CLIENTES" ("ID"),
  FOREIGN KEY ("COMIC ID") REFERENCES "COMICS" ("ID"));

CREATE TABLE "COMPRAS" (
  "ID COMPRA" int(10) NOT NULL,
  "CLIENTE ID" int(10) NOT NULL,
  "COMIC ID" int(10) NOT NULL,
  "FECHA COMPRA" date NOT NULL,
  "CANTIDAD" int(10) NOT NULL,
  "TOTAL $" double(1000,3) NOT NULL,
  PRIMARY KEY ("ID COMPRA"),
  FOREIGN KEY ("CLIENTE ID") REFERENCES "CLIENTES" ("ID"),
  FOREIGN KEY ("COMIC ID") REFERENCES "COMICS" ("ID"));
```

The right sidebar shows the 'Available Tables' section with three tables: **CLIENTES**, **COMICS**, and **COMPRAS**, each with its respective column headers. The output area at the bottom states: 'SQL query successfully executed. However, the result set is empty.'

Código Creación de tablas

```
CREATE TABLE "CLIENTES" (
  "ID" int(10) NOT NULL,
  "NOMBRE" varchar(45) NOT NULL,
  "EMAIL" email(100) NOT NULL,
  "FECHA REGISTRO" date NOT NULL,
  PRIMARY KEY ("id"));
```

```
CREATE TABLE "COMICS" (
  "ID" int(10) NOT NULL,
  "TITULO" varchar(45) NOT NULL,
  "AUTOR" varchar(45) NOT NULL,
  "EDITORIAL" varchar(45) NOT NULL,
  "FECHA PUBLICACION" date NOT NULL,
  "PRECIO $" double(1000,3) NOT NULL,
  PRIMARY KEY ("id"));
```

```
CREATE TABLE "COMPRAS"(
  "ID COMPRA" int(10) NOT NULL,
  "CLIENTE ID" int(10) NOT NULL,
  "COMIC ID" int(10) NOT NULL,
  "FECHA COMPRA" date NOT NULL,
  "CANTIDAD" int(10) NOT NULL,
  "TOTAL $" double(1000,3) NOT NULL,
  PRIMARY KEY ("ID COMPRA"),
  FOREIGN KEY ("CLIENTE ID") REFERENCES "CLIENTES"("ID"),
  FOREIGN KEY ("COMIC ID") REFERENCES "COMICS"("ID")
);
```

Programa
Online SQL Editor

Interactive SQL Course

CLIENTES

Input

```
INSERT INTO "CLIENTES" VALUES (1,"Juan Peralta","juanpe@gmail.com","22/07/2010"),(2,"María Arias","MAA04@gmail.com","08/05/2023"),(3,"Jesus Perez","JePelo@gmail.com","10/10/2020"),(4,"Luz Alzate","alzaluz@outlook.com","15/09/2022"),(5,"Ernesto Sabato","SabaErnes@yahoo.com","23/11/2021"),(6,"Maria Sultana","lasultana@gmail.com","18/02/2024")
```

Output

SQL query successfully executed. However, the result set is empty.

CLIENTES

ID	NOMBRE	EMAIL	FECHA REGISTRO
1	Juan Peralta	juanpe@gmail.com	22/07/2010
2	Maria Arias	MAA04@gmail.com	08/05/2023
3	Jesus Perez	JePelo@gmail.com	10/10/2020
4	Luz Alzate	alzaluz@outlook.com	15/09/2022
5	Ernesto Sabato	SabaErnes@yahoo.com	23/11/2021
6	Maria Sultana	lasultana@gmail.com	18/02/2024

COMICS

ID	TITULO	AUTOR	EDITORIAL	FECHA PUBLICACION	PRECIO \$
empty					

Código para insertar valores de clientes

```
INSERT INTO "CLIENTES" VALUES
(1,"Juan Peralta","juanpe@gmail.com","22/07/2010"),
(2,"Maria Arias","MAA04@gmail.com","08/05/2023"),
(3,"Jesus Perez","JePelo@gmail.com","10/10/2020"),
(4,"Luz Alzate","alzaluz@outlook.com","15/09/2022"),
(5,"Ernesto Sabato","SabaErnes@yahoo.com","23/11/2021"),
(6,"Maria Sultana","lasultana@gmail.com","18/02/2024")
```

Programa
Online SQL Editor

Interactive SQL Course

CLIENTES

Input

```
INSERT INTO "COMICS" VALUES (1,"Aironman #345","Marvel","Marvel","10/05/2024","25200"),(2,"Antman #201","Marvel","Marvel","15/08/2023","35200"),(3,"Batman y Robin #4","DC comics","DC comics","15/04/2020","125800"),(4,"Starfire #34","DC comics","DC comics","10/05/2004","325200"),(5,"Dr Strange #46","Marvel","Marvel","01/01/2017","58.300"),(6,"Spiderman #56","Marvel","Marvel","08/06/2003","222200")
```

Output

SQL query successfully executed. However, the result set is empty.

COMICS

ID	TITULO	AUTOR	EDITORIAL	FECHA PUBLICACION	PRECIO \$
1	Aironman #345	Marvel	Marvel	10/05/2024	\$25,200
2	Antman #201	Marvel	Marvel	15/08/2023	\$35,200
3	Batman y Robin #4	DC comics	DC comics	15/04/2020	\$125,800
4	Starfire #34	DC comics	DC comics	10/05/2004	\$325,200
5	Dr Strange #46	Marvel	Marvel	01/01/2017	\$58,300
6	Spiderman #56	Marvel	Marvel	08/06/2003	\$222,200

Código creación de comics

```
INSERT INTO "COMICS" VALUES
(1,"Aironman #345","Marvel","Marvel","10/05/2024","25200"),
(2,"Antman #201","Marvel","Marvel","15/08/2023","35200"),
(3,"Batman y Robin #4","DC comics","DC comics","15/04/2020","125800"),
(4,"Starfire #34","DC comics","DC comics","10/05/2004","325200"),
(5,"Dr Strange #46","Marvel","Marvel","01/01/2017","58.300"),
(6,"Spiderman #56","Marvel","Marvel","08/06/2003","222200")
```


Input

```

INSERT INTO "COMPRAS" VALUES
(1, 2, 1, '20/12/2023', 1, "25200"),
(2, 1, 5, '15/02/2023', 2, "116600"),
(3, 1, 4, '06/06/2015', 3, "377400"),
(4, 5, 6, '07/07/2021', 2, "444400"),
(5, 4, 4, '02/02/2022', 1, "325200"),
(6, 6, 2, '30/12/2023', 3, "105600")

```

Run SQL

Available Tables

comics

ID	TITULO	AUTOR	EDITORIAL	FECHA PUBLICACION	PRECIO \$
1	Avengers #345	Marvel	Marvel	10/05/2004	25200
2	Antman #20	Marvel	Marvel	15/08/2023	35200
3	Batman y Robin #4	DC comics	DC comics	16/04/2020	109900
4	Starfire #34	DC comics	DC comics	10/05/2004	325200
5	Dr Strange #46	Marvel	Marvel	6/06/2017	68.3
6	Spiderman #56	Marvel	Marvel	08/04/2023	222200

Output

SQL query successfully executed. However, the result set is empty.

COMPRAS

ID COMPRA	CLIENTE ID	COMIC ID	FECHA COMPRA	CANTIDAD	TOTAL \$
1	2	1	20/12/2023	1	25200
2	1	5	15/02/2023	2	116600
3	1	4	06/06/2015	3	377400
4	5	6	07/07/2021	2	444400
5	4	4	02/02/2022	1	325200
6	6	2	30/12/2023	3	105600

Código creación de compras

```

INSERT INTO "COMPRAS" VALUES
(1, 2, 1, '20/12/2023', 1, "25200"),
(2, 1, 5, '15/02/2023', 2, "116600"),
(3, 1, 4, '06/06/2015', 3, "377400"),
(4, 5, 6, '07/07/2021', 2, "444400"),
(5, 4, 4, '02/02/2022', 1, "325200"),
(6, 6, 2, '30/12/2023', 3, "105600")

```

CONSULTAS

Input

Run SQL

```
SELECT compras."ID COMPRA",clientes.NOMBRE, comics.TITULO, comics.AUTOR, comics."PRECIO $"
FROM COMPRAS
JOIN CLIENTES ON COMPRAS."CLIENTE ID" = CLIENTES."ID"
JOIN COMICS ON COMPRAS."COMIC ID" = COMICS."ID";
|
```

Output

ID COMPRA	NOMBRE	TITULO	AUTOR	PRECIO \$
1	Maria Arias	Aironman #345	Marvel	25200
2	Juan Peralta	Dr Strange #46	Marvel	58.3
3	Juan Peralta	Starfire #34	DC comics	325200
4	Ernesto Sabato	Spiderman #56	Marvel	222200
5	Luz Alzate	Starfire #34	DC comics	325200
6	Maria Sultana	Antman #201	Marvel	35200

```
SELECT compras."ID COMPRA",clientes.NOMBRE, comics.TITULO, comics.AUTOR,
comics."PRECIO $"
FROM COMPRAS
JOIN CLIENTES ON COMPRAS."CLIENTE ID" = CLIENTES."ID"
JOIN COMICS ON COMPRAS."COMIC ID" = COMICS."ID";
```

Input

Run SQL

>

```

SELECT compras."ID COMPRA", clientes.NOMBRE, comics.TITULO, comics.AUTOR, comics."PRECIO $"
FROM COMPRAS
JOIN CLIENTES ON COMPRAS."CLIENTE ID" = CLIENTES."ID"
JOIN COMICS ON COMPRAS."COMIC ID" = COMICS."ID"
ORDER BY comics."PRECIO $" DESC;
|

```

Output

ID COMPRA	NOMBRE	TITULO	AUTOR	PRECIO \$
3	Juan Peralta	Starfire #34	DC comics	325200
5	Luz Alzate	Starfire #34	DC comics	325200
4	Ernesto Sabato	Spiderman #56	Marvel	222200
6	Maria Sultana	Antman #201	Marvel	35200
1	Maria Arias	Aironman #345	Marvel	25200
2	Juan Peralta	Dr Strange #46	Marvel	58.3

```

SELECT compras."ID COMPRA", clientes.NOMBRE, comics.TITULO, comics.AUTOR,
comics."PRECIO $"
FROM COMPRAS
JOIN CLIENTES ON COMPRAS."CLIENTE ID" = CLIENTES."ID"
JOIN COMICS ON COMPRAS."COMIC ID" = COMICS."ID"
ORDER BY comics."PRECIO $" DESC;

```

Input

Run SQL

>

UPDATE "COMICS"
SET "PRECIO \$" = 58388
WHERE "ID" = 5;

Output

Available Tables

comics

ID	TITULO	AUTOR	EDITORIAL	FECHA PUBLICACION	PRECIO \$
1	Aironman #345	Marvel	Marvel	10/05/2024	25200
2	Antman #201	Marvel	Marvel	15/08/2023	35200
3	Batman y Robin #4	DC comics	DC comics	15/04/2020	125800
4	Starfire #34	DC comics	DC comics	10/05/2024	325200
5	Dr Strange #46	Marvel	Marvel	01/01/2017	58300
6	Spiderman #56	Marvel	Marvel	08/06/2003	222200

```
UPDATE "COMICS"
SET "PRECIO $" = 58300
WHERE "ID" = 5;
```

Input

Run SQL

```
SELECT * FROM COMICS WHERE "EDITORIAL" LIKE '%DC comics%';
```

Output

ID	TITULO	AUTOR	EDITORIAL	FECHA PUBLICACION	PRECIO \$
3	Batman y Robin #4	DC comics	DC comics	15/04/2020	125800
4	Starfire #34	DC comics	DC comics	10/05/2004	325200

```
SELECT * FROM COMICS WHERE "EDITORIAL" LIKE '%DC comics%';
```

Input

Run SQL

```
ALTER TABLE CLIENTES
DROP COLUMN "FECHA REGISTRO";
```

Available Tables

CLIENTES

ID	NOMBRE	EMAIL
1	Juan Perillo	juanpe@gmail.com
2	Maria Arias	MAA04@gmail.com
3	Jesus Perez	JePez@gmail.com
4	Luz Alzola	alzola@outlook.com
5	Ernesto Sabido	SabidErnesto@yahoo.com
6	Maria Sultana	issultana@gmail.com

```
ALTER TABLE CLIENTES
DROP COLUMN "FECHA REGISTRO";
```