



EXAMEN

Fundamtenos de base de datos



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create table Clients (
client_id SERIAL primary key,
first_name VARCHAR(50) not null,
last_name VARCHAR(50) not null,
email VARCHAR(50) unique not null
);

create table Books (
book_id SERIAL primary key,
title VARCHAR(50) not null,
author VARCHAR(50) not null,
price DECIMAL (10, 2) not null
);

create table Employees(
employee_id SERIAL primary key,
namee VARCHAR(50) not null,
branch VARCHAR(50)
);

create table Orders(
order_id SERIAL primary key,
client_id INT,
order_date DATE default CURRENT_DATE,
foreign key (client_id) references Clients (client_id)
);

create table Orderitems(
item_id SERIAL primary key,
order_id INT,
book_id INT,
quantity INT default 1,
foreign key (order_id) references Orders (order_id),
foreign key (book_id) references Books (book_id)
);

create table Orderhandlers(
handler_id SERIAL primary key,
order_id INT,
employee_id INT,
foreign key (order_id) references Orders (order_id),
foreign key (employee_id) references Employees (employee_id)
);

```

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--Parte 2: Operaciones CRUD con DML
--Create
insert into Clients (first_name, last_name, email) values
('Damian','Lugo','correo@gmail.com'),
('Juan','Perez','correo1@gmail.com'),
('Pepe','Pecas','correo2@gmail.com');

insert into Books (title, author, price) values
('El principito','Autornomeacuerdo',230.50),
('La guerra de los mundos','tampocorecuerdo',125.99),
('La divina comedia','Dante Alighieri',100.50),
('La sonrisa del demonio','Tessa Gratton',305.50);

insert into Employees (namee, branch) values
('Juan','Panini'),
('Rosa','Libreria nacional');

insert into Orders (client_id) values
(1),
(2);

insert into Orderitems(order_id, book_id, quantity) values
(1,1,1),
(1,2,1),
(2,3,1);

insert into Orderhandlers (order_id, employee_id) values
(1,1),
(2,2);

--Read
--Muestra todos los libros comprados en una orden concreta.
select o.order_id as orden, o.quantity as cantidad
from Orderitems o
where order_id= 1;

--Lista los clientes cuyo apellido empiece por "G".
select c.last_name as apellido
from Clients c
where last_name like 'G';

--Update
--Cambia el precio de un libro específico
update Books
set price = 399.99
where book_id= 3;

--Actualiza el nombre (o sucursal) de un empleado.
update Employees
set namee= 'Fabian'

```

where employee_id=1

	123 client_id	A-Z first_name	A-Z last_name	A-Z email
1	1	Damian	Lugo	correo@gmail.com
2	2	Juan	Perez	correo1@gmail.com
3	3	Pepe	Pecas	correo2@gmail.com

	123 book_id	A-Z title	A-Z author	123 price
1	1	El principito	Autornomeacuerdo	230,5
2	2	La guerra de los mundos	tampocorecuerdo	125,99
3	4	La sonrisa del demonio	Tessa Gratton	305,5
4	3	La divina comedia	Dante Alighieri	399,99

	123 employee_id	A-Z namee	A-Z branch
1	2	Rosa	Libreria nacional
2	1	Fabian	Panini

	123 order_id	123 client_id	🕒 order_date
1	1	1	2025-05-06
2	2	2	2025-05-06

	123 item_id	123 order_id	123 book_id	123 quantity
1	1	1	1	1
2	2	1	2	1
3	3	2	3	1

	123 handler_id	123 order_id	123 employee_id
1	1	1	1
2	2	2	2

	123 orden	123 cantidad
1	1	1
2	1	1

	A-Z apellido

