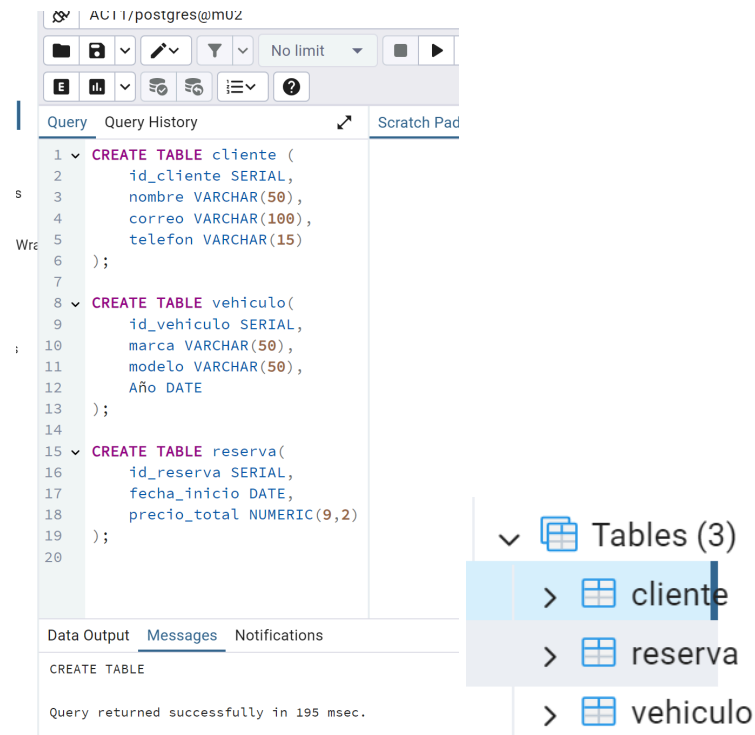


# Base de Datos de Venta coches

## Parte 1:



The screenshot shows a PostgreSQL client interface with the following SQL queries in the Query tab:

```
1 CREATE TABLE cliente (  
2     id_cliente SERIAL,  
3     nombre VARCHAR(50),  
4     correo VARCHAR(100),  
5     telefon VARCHAR(15)  
6 );  
7  
8 CREATE TABLE vehiculo(  
9     id_vehiculo SERIAL,  
10    marca VARCHAR(50),  
11    modelo VARCHAR(50),  
12    Año DATE  
13 );  
14  
15 CREATE TABLE reserva(  
16     id_reserva SERIAL,  
17     fecha_inicio DATE,  
18     precio_total NUMERIC(9,2)  
19 );  
20
```

The Messages tab shows the following output:

```
CREATE TABLE  
  
Query returned successfully in 195 msec.
```

On the right, a sidebar shows the database structure:

- Tables (3)
  - > cliente
  - > reserva
  - > vehiculo

## Parte 2:

### 1.2



The screenshot shows two PostgreSQL client interfaces side-by-side, both displaying the same SQL query:

```
1 ALTER TABLE cliente  
2     ADD COLUMN NIF VARCHAR(9);  
  
1 ALTER TABLE cliente  
2     ADD CONSTRAINT nif_unique UNIQUE(NIF);
```

The Messages tab of the left interface shows the following output:

```
ALTER TABLE  
  
Query returned successfully in 103 msec.
```

The Messages tab of the right interface shows the following output:

```
ALTER TABLE  
  
Query returned successfully in 154 msec.
```

## 2.2
















Query Query History

```
1 ALTER TABLE vehiculo
2     ADD COLUMN estado VARCHAR(20);
```

Data Output **Messages** Notifications

## ALTER TABLE

Query returned successfully in 97 msec.

Columns				
		Name	Data type	Length/Precision
		id_vehiculo	integer   	
		marca	character vary   	50
		modelo	character vary   	50
		año	date   	
		estado	character vary   	20

[Query](#) [Query History](#)

```
1 ALTER TABLE vehiculo
2 ADD CONSTRAINT estado_check CHECK (estado :
```

**Data Output**   **Messages**   Notifications



## ALTER TABLE

Query returned successfully in 114 msec.

 **vehículo**

General Columns Advanced **Constraints** Partitions Parameters Security SQL

Primary Key Foreign Key Check Unique Exclude

		Name	Check
		estado_check	estado:text = ANY (ARRAY['Disponible':char

3.2-

Query

Query History

1

ALTER TABLE reserva

2

ADD COLUMN estado\_reservado VARCHAR(50)

Data Output

Messages

Notifications

ALTER TABLE

Query returned successfully in 144 msec.

		estado_reser	character vary	50	
--	--	--------------	----------------	----	--

ACT1/postgres@m02

No limit

Query

Query History

1

ALTER TABLE reserva

2

ADD CONSTRAINT reserva\_check CHECK( estado\_reservado

3

Data Output

Messages

Notifications

ALTER TABLE

Query returned successfully in 124 msec.

	Name	Check
 	reserva_check	estado_reservado::text = ANY (ARRAY[Activa

## 4.2-

[Query](#) [Query History](#)

1

2

3

ALTER TABLE Reserva

ALTER COLUMN estado\_reservado

SET DEFAULT 'Activa';

Data Output

Messages

Notifications

ALTER TABLE

Query returned successfully in 162 msec.

## Parte 3:

### 1.3

[Query](#) [Query History](#)

1

2

3

4

5

6

7

8

ALTER TABLE cliente

ADD PRIMARY KEY (id\_cliente);

ALTER TABLE vehiculo

ADD PRIMARY KEY (id\_vehiculo);

ALTER TABLE reserva

ADD PRIMARY KEY (id\_reserva)



Data Output

Messages

Notifications

ALTER TABLE

Query returned successfully in 159 msec.

<a href="#">Primary Key</a> <a href="#">Foreign Key</a> <a href="#">Check</a> <a href="#">Unique</a> <a href="#">Exclude</a>		
	Name	Columns
 	<input type="text" value="cliente_pkey"/>	id_cliente



[Query](#) [Query History](#)





```
1 ALTER TABLE reserva
2     ADD COLUMN id_vehiculo INT;
3
4 ALTER TABLE reserva
5     ADD CONSTRAINT fk_vehiculo
6     FOREIGN KEY (id_vehiculo)
7     REFERENCES vehiculo(id_vehiculo)
```

Data Output **Messages** Notifications

ALTER TABLE

Query returned successfully in 95 msec.

Primary Key Foreign Key Check Unique Exclude

				+
		Name	Columns	Referenced Table
		fk_cliente	(id_cliente) -> (id_cliente)	public.cliente
		fk_vehiculo	(id_vehiculo) -> (id_vehiculo)	public.vehiculo

**4.3-**

[Query](#) [Query History](#)



```
1 ALTER TABLE vehiculo
2 ADD CONSTRAINT año_check CHECK (año>2000)
```

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 124 msec.

Primary Key Foreign Key Check Unique Exclude

	Name	Check
 	reserva_check	estado_reservado::text = ANY (ARRAY['Activa'

## 5.3-



Query Query History

```
1 ALTER TABLE reserva
2 ADD CONSTRAINT precio_check CHECK (precio_total>0)
```

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 208 msec.

Primary Key Foreign Key Check Unique Exclude		
	Name	Check
	reserva_check	estado_reservado::text = ANY (ARRAY[Activa::character va
	precio_check	precio_total > 0::numeric

## Parte 4

## 1.4-

Query Query History

```
1 CREATE TABLE transaccion (
2     id_transaccion SERIAL,
3     fecha_transaccion DATE DEFAULT CURRENT_DATE,
4     suma NUMERIC(15, 2),
5     tipo_transaccion VARCHAR(20)
6 );
```

Data Output Messages Notifications

CREATE TABLE

Query returned successfully in 149 msec.

## 2.4

Query Query History

```
1 ALTER TABLE transaccion
2 ADD PRIMARY KEY (id_transaccion);
```

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 106 msec.

Primary Key Foreign Key Check Unique Exclude		
	Name	Columns
 	transaccion_pkey	id_transaccion

## 3.4



Query Query History

```
1 ALTER TABLE transaccion
2 ADD CONSTRAINT suma_check CHECK (suma>0);
```

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 132 msec.

Primary Key Foreign Key Check Unique Exclude		
	Name	Check
 	suma_check	suma > 0::numeric



4.4-





Query Query History

```
1 ALTER TABLE transaccion
2 ADD CONSTRAINT tipo_transaccion_check CHECK(tipo_transaccion IN('p;
```

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 102 msec.

		Name	Check
		suma_check	suma > 0::numeric
		tipo_transaccion_check	tipo_transaccion::text = ANY (ARRAY['pago'::character vary