

CRUD (Create, Read, Update, Delete)

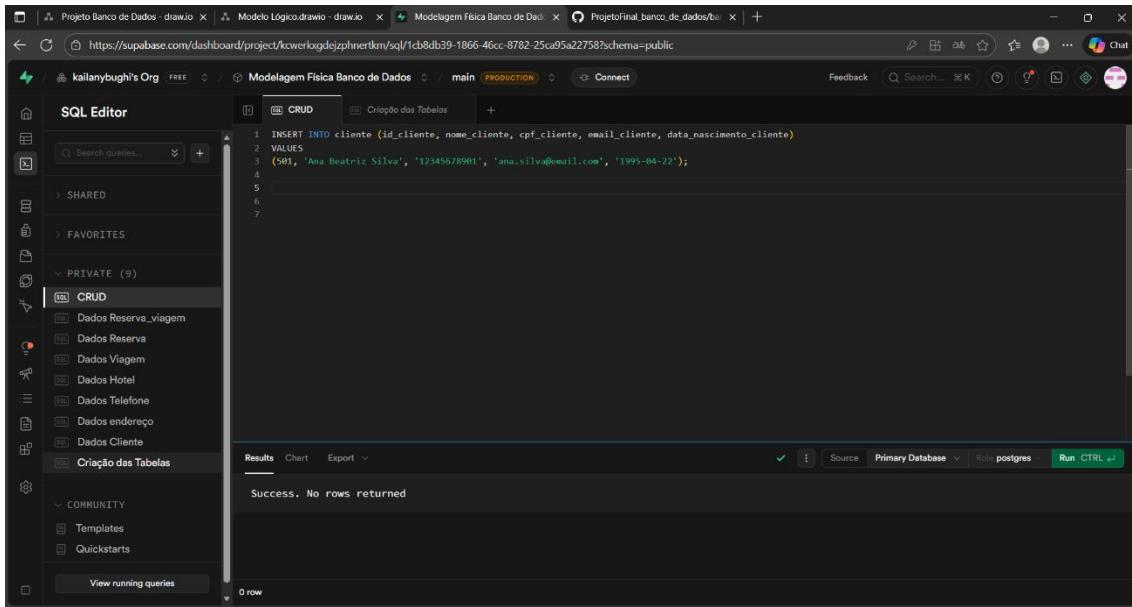
- Demonstre o funcionamento completo do CRUD no Supabase:
 - Inserção de dados (INSERT)
 - Leitura de dados (SELECT)
 - Atualização de dados (UPDATE)
 - Exclusão de dados (DELETE)

CRUD

Exemplos:

TABELA CLIENTE

create

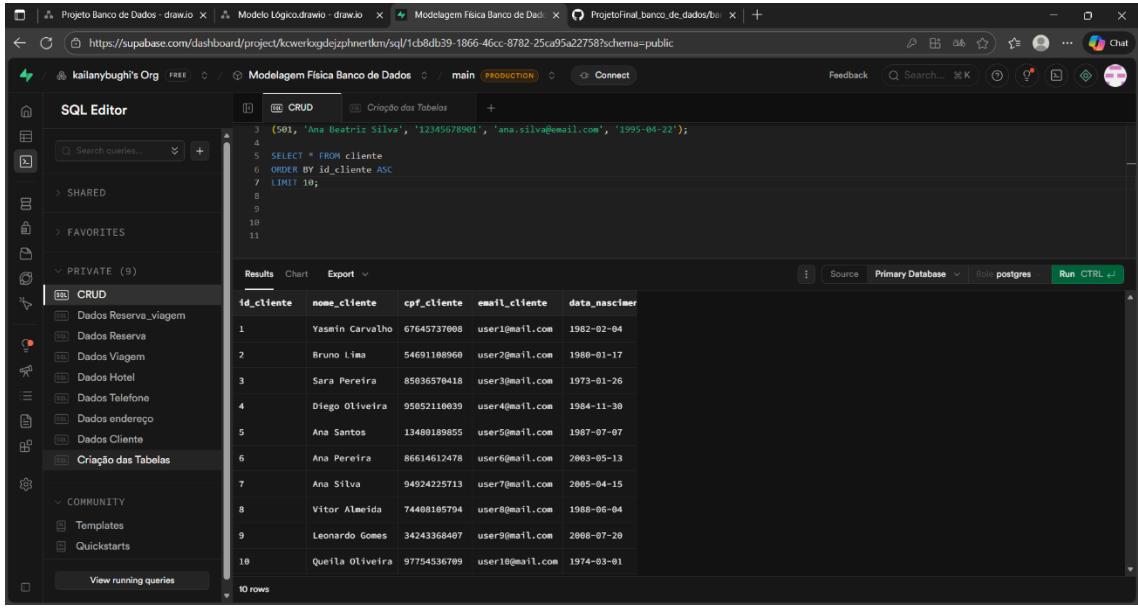


The screenshot shows the Supabase SQL Editor interface. On the left, there's a sidebar with sections like 'SQL Editor', 'SHARED', 'FAVORITES', and 'PRIVATE (9)'. Under 'PRIVATE', there's a 'CRUD' section containing tables: 'Dados Reserva_viajem', 'Dados Reserva', 'Dados Viagem', 'Dados Hotel', 'Dados Telefone', 'Dados endereco', and 'Dados Cliente'. Below these is a 'Criação das Tabelas' section. The main area is titled 'CRUD' and contains a code editor with the following SQL query:

```
1 INSERT INTO cliente (id_cliente, nome_cliente, cpf_cliente, email_cliente, data_nascimento_cliente)
2 VALUES
3 (501, 'Ana Beatriz Silva', '12345678901', 'ana.silva@email.com', '1995-04-21');
```

Below the code editor is a results panel showing the output of the query: 'Success. No rows returned'.

read

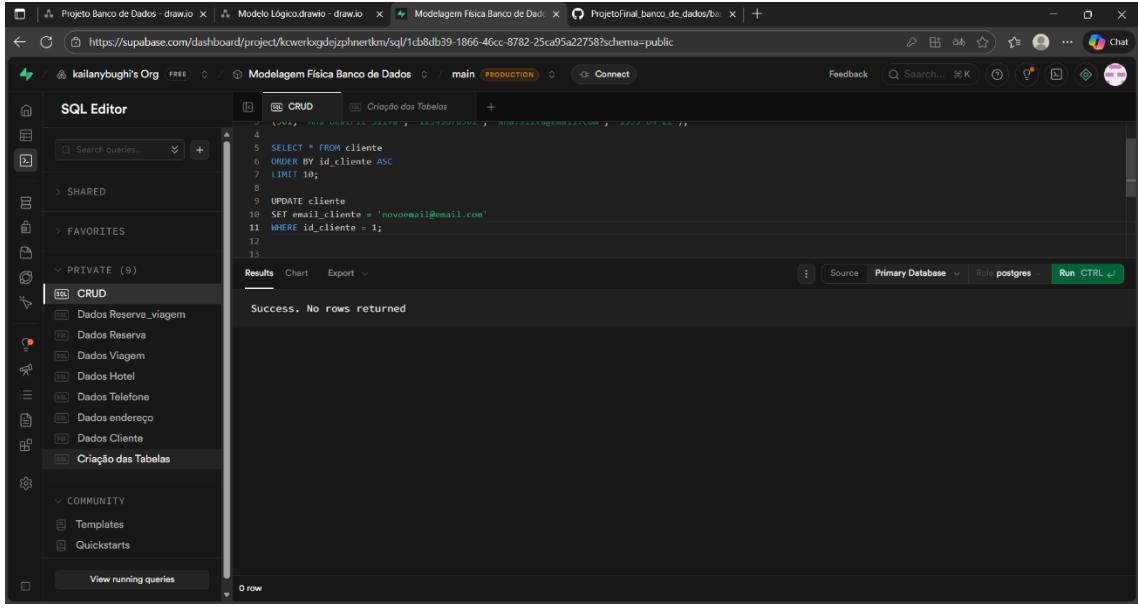


The screenshot shows the Supabase SQL Editor interface. On the left, there's a sidebar with sections like 'PRIVATE (9)', 'CRUD', 'Dados Reserva_viajem', 'Dados Reserva', etc. The main area has tabs for 'CRUD' and 'Criação das Tabelas'. A code editor at the top contains the following SQL:

```
3 ($0, 'Ana Beatriz Silva', '12345678901', 'ana.silva@email.com', '1995-04-22');
4
5 SELECT * FROM cliente
6 ORDER BY id_cliente ASC
7 LIMIT 10;
8
9
10
11
```

Below the code is a results table with columns: id_cliente, nome_cliente, cpf_cliente, email_cliente, and data_nascimem. The table contains 10 rows of data, each representing a client with their name, CPF, email, and date of birth.

update

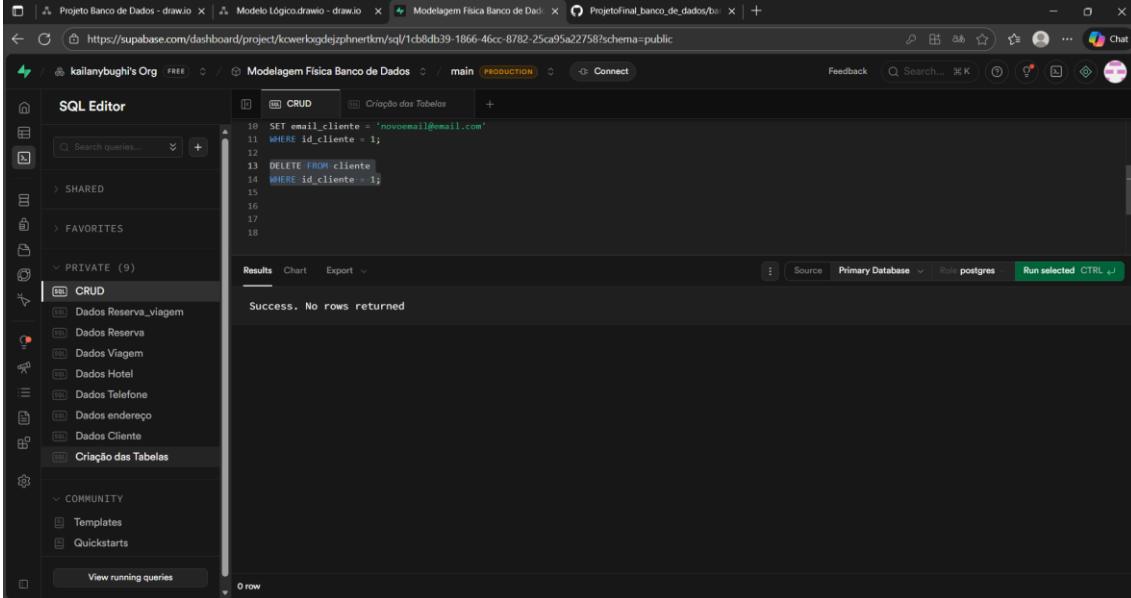


The screenshot shows the Supabase SQL Editor interface. The sidebar is similar to the previous one. The main area has tabs for 'CRUD' and 'Criação das Tabelas'. A code editor at the top contains the following SQL:

```
4
5 SELECT * FROM cliente
6 ORDER BY id_cliente ASC
7 LIMIT 10;
8
9 UPDATE cliente
10 SET email_cliente = 'novoemail@email.com'
11 WHERE id_cliente = 1;
12
13
```

Below the code, a message says 'Success. No rows returned'.

delete



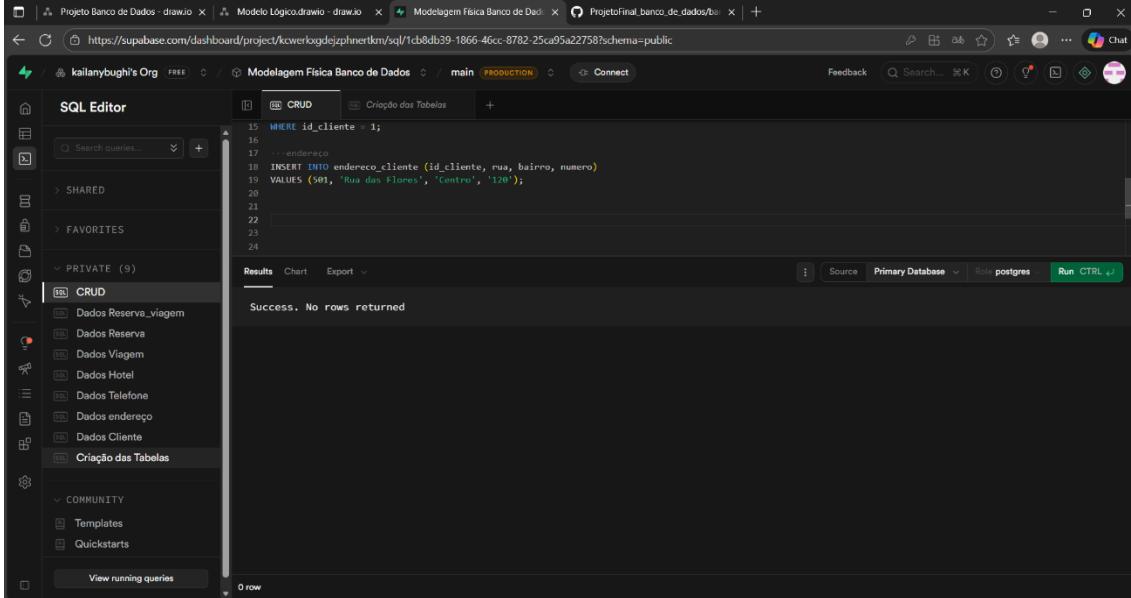
The screenshot shows the Supabase SQL Editor interface. On the left, there's a sidebar with sections like SHARED, FAVORITES, PRIVATE (9), and COMMUNITY. Under PRIVATE, there are tables: Dados Reserva_viajem, Dados Reserva, Dados Viagem, Dados Hotel, Dados Telefone, Dados endereco, and Dados Cliente. Below these is a 'Criação das Tabelas' section. The main area is titled 'SQL Editor' and contains a code editor with the following SQL query:

```
10 SET email_cliente = 'novoemail@email.com'
11 WHERE id_cliente = 1;
12
13 DELETE FROM cliente
14 WHERE id_cliente = 1;
15
16
17
18
```

The results panel below the code editor shows the message: "Success. No rows returned".

TABELA ENDEREÇO_CLIENTE

Create



The screenshot shows the Supabase SQL Editor interface. The sidebar is identical to the previous one, showing the same table list under the PRIVATE section. The main area is titled 'SQL Editor' and contains the following SQL query:

```
15 WHERE id_cliente = 1;
16
17 endereco
18 INSERT INTO endereco_cliente (id_cliente, rua, bairro, numero)
19 VALUES ($1, 'Rua das Flores', 'Centro', '120');
20
21
22
23
24
```

The results panel shows the message: "Success. No rows returned".

Read

The screenshot shows the Supabase SQL Editor interface. On the left, there's a sidebar with sections like 'PRIVATE (9)', 'CRUD', and 'Criação das Tabelas'. The main area has tabs for 'CRUD' and 'Criação das Tabelas'. A code editor at the top contains the following SQL:

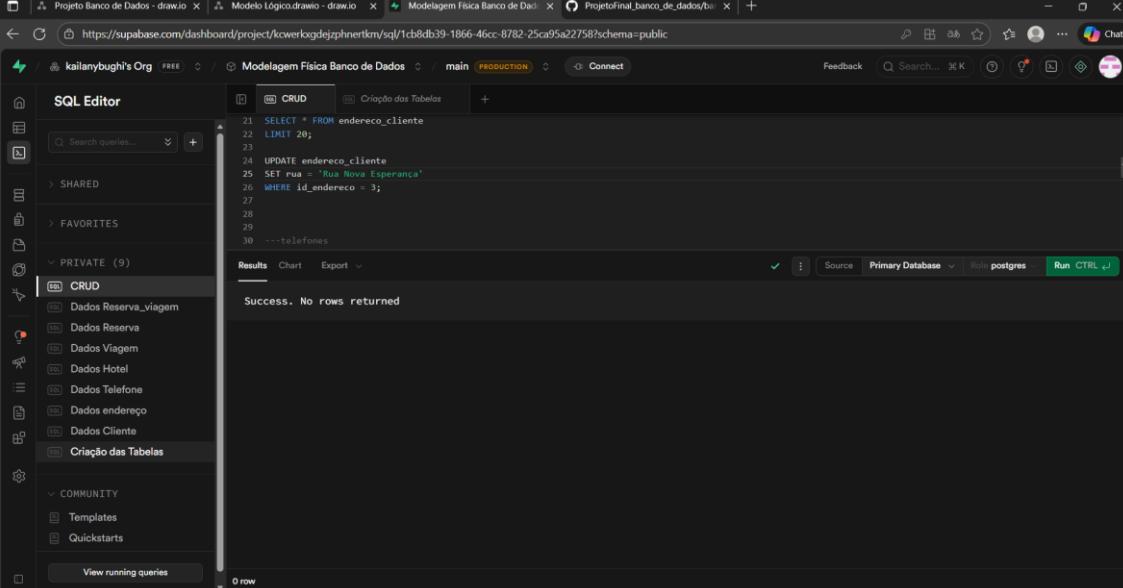
```
17 ---endereco
18 INSERT INTO endereco_cliente (id_cliente, rua, bairro, numero)
19 VALUES ($01, 'Rua das Flores', 'Centro', '120');
20
21 SELECT * FROM endereco_cliente
22 LIMIT 20;
```

Below the code is a table titled 'endereco_cliente' with columns: id_endereco, id_cliente, rua, bairro, and numero. The table displays 20 rows of data:

	id_endereco	id_cliente	rua	bairro	numero
1	1		Rua F	Vila Nova	864
2	2		Rua B	Industrial	545
3	3		Rua D	São José	681
4	4		Rua B	Industrial	965
5	5		Rua A	Jardim América	739
6	6		Rua F	São José	257
7	7		Rua A	Vila Nova	328
8	8		Rua A	Industrial	159
9	9		Rua F	Boa Vista	217
10	10		Rua E	Industrial	776
11	11		Rua H	Industrial	172
12	12		Rua B	Jardim América	627
13	13		Rua B	Centro	137
14	14		Rua B	Centro	159
15	15		Rua D	Vila Nova	786
16	16		Rua F	Jardim América	911
17	17		Rua B	Centro	424
18	18		Rua H	São José	785
19	19		Rua A	Vila Nova	473
20	20		Rua F	São José	318

This screenshot is identical to the one above, showing the same SQL code and the resulting table of 20 rows. The data in the table has been updated, reflecting changes made during the update process.

Update

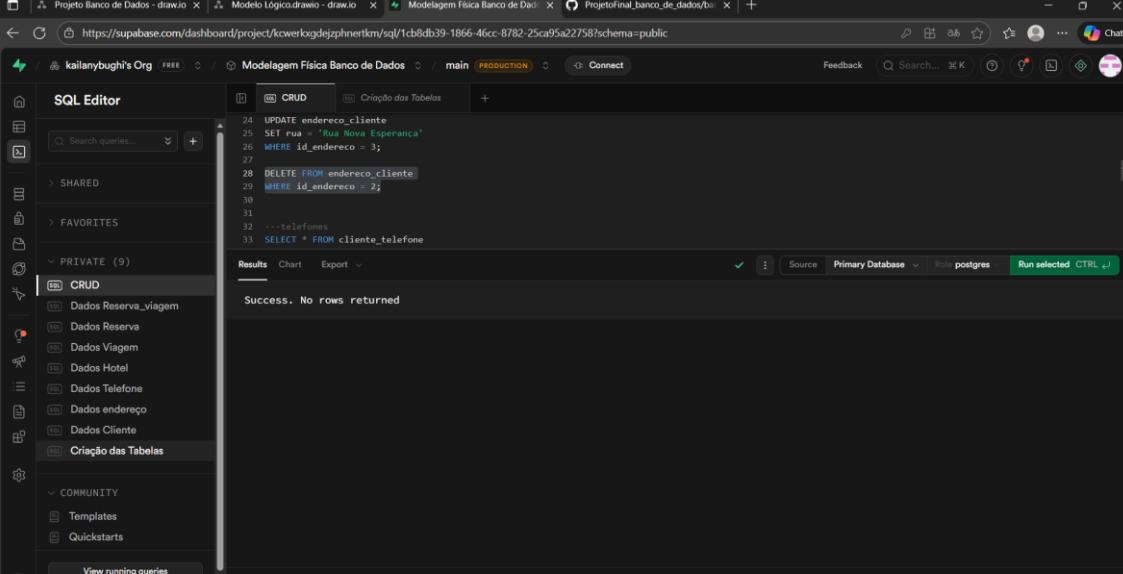


The screenshot shows the Supabase SQL Editor interface. The left sidebar lists various database objects under the 'PRIVATE' section, including 'CRUD' (Datas Reserva_viajem, Dados Reserva, Dados Viagem, Dados Hotel, Dados Telefone, Dados endereço, Dados Cliente) and 'Criação das Tabelas'. The main area displays an SQL query:

```
21 SELECT * FROM endereco_cliente
22 LIMIT 20;
23
24 UPDATE endereco_cliente
25 SET rua = 'Rua Nova Esperanca'
26 WHERE id_endereco = 3;
27
28
29
30 ---telefones
31
32
33
```

The results pane shows 'Success. No rows returned' and '0 row'.

Delete



The screenshot shows the Supabase SQL Editor interface. The left sidebar lists various database objects under the 'PRIVATE' section, including 'CRUD' (Datas Reserva_viajem, Dados Reserva, Dados Viagem, Dados Hotel, Dados Telefone, Dados endereço, Dados Cliente) and 'Criação das Tabelas'. The main area displays an SQL query:

```
24 UPDATE endereco_cliente
25 SET rua = 'Rua Nova Esperanca'
26 WHERE id_endereco = 3;
27
28 DELETE FROM endereco_cliente
29 WHERE id_endereco = 2;
30
31
32 ---telefones
33 SELECT * FROM cliente_telefone
```

The results pane shows 'Success. No rows returned' and '0 row'.

TABELA TELEFONE_CLIENTE

Create

The screenshot shows the Supabase SQL Editor interface. On the left, there's a sidebar with sections like SHARED, FAVORITES, PRIVATE (9), and COMMUNITY. Under PRIVATE, there are several tables listed: Dados Reserva_viajem, Dados Reserva, Dados Viagem, Dados Hotel, Dados Telefone, Dados endereco, and Dados Cliente. Below these is a 'Criação das Tabelas' section. The main area is titled 'CRUD' and contains a code editor with the following SQL:

```
28 DELETE FROM endereco_cliente
29 WHERE id_endereco = 2;
30
31
32 --telefones
33 INSERT INTO cliente_telefone (id_cliente, telefone_cliente)
34 VALUES ($01, '(11)99999-0000');
35
36
37 --hoteis
```

The results pane below the code editor shows the message: "Success. No rows returned".

Read

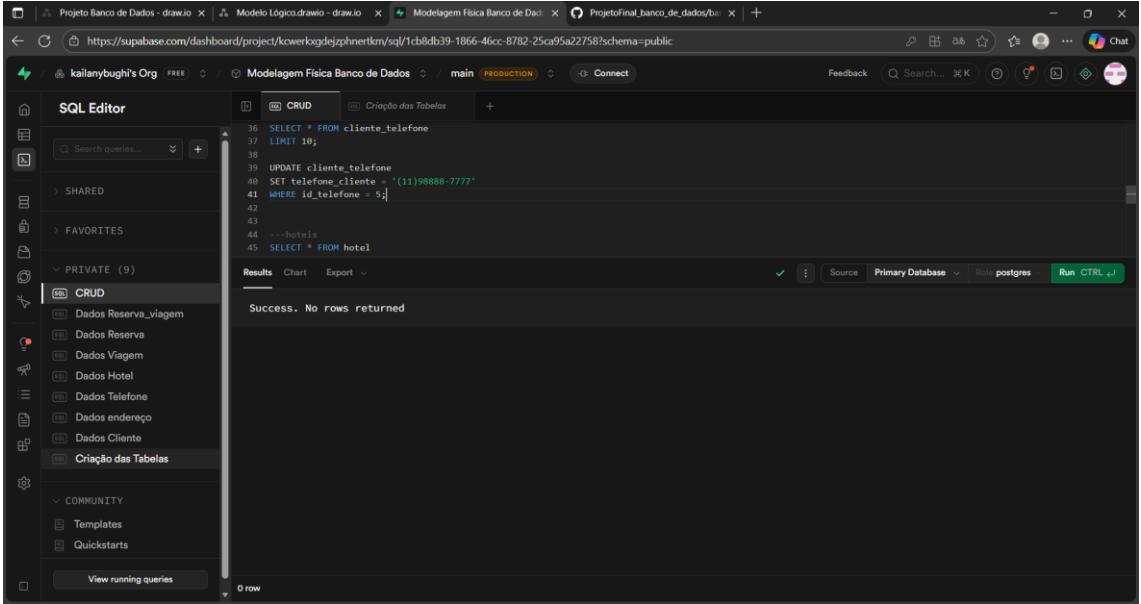
This screenshot is similar to the previous one, showing the Supabase SQL Editor. The sidebar and table list are identical. The main area has two parts of SQL:

```
30
31
32 --telefones
33 INSERT INTO cliente_telefone (id_cliente, telefone_cliente)
34 VALUES ($01, '(11)99999-0000');
35
36 SELECT * FROM cliente_telefone
37 LIMIT 10;
38
39 --hoteis
```

Below the code editor is a results table with 10 rows of data:

	id_cliente	telefone_cliente
1	1	(51)95432-7011
2	2	(68)98936-8245
3	3	(34)99279-4565
4	4	(10)94228-6651
5	5	(99)99172-3621
6	6	(51)97169-9869
7	7	(64)98351-1840
8	8	(70)96762-9630
9	9	(24)99815-9825
10	10	(47)99608-3617

Update

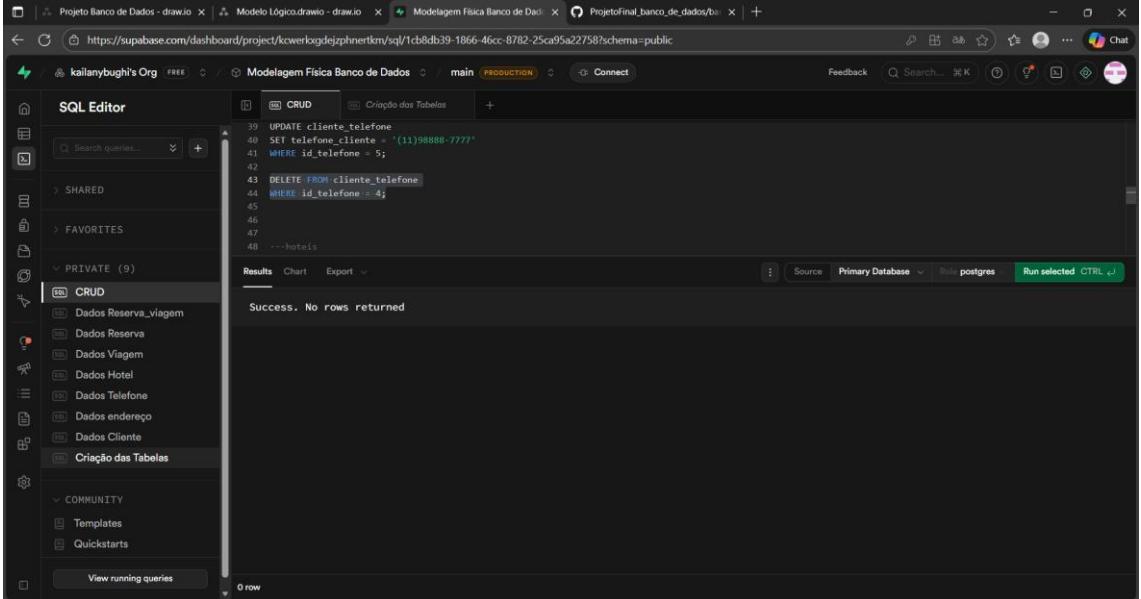


The screenshot shows the Supabase SQL Editor interface. On the left, there's a sidebar with sections like 'PRIVATE (9)', 'CRUD' (which is selected), 'COMMUNITY', and 'View running queries'. The main area contains the following SQL code:

```
36 SELECT * FROM cliente_telefone
37 LIMIT 10;
38
39 UPDATE cliente_telefone
40 SET telefone_cliente = '(11)98888-7777'
41 WHERE id_telefone = 5;
42
43 ---hotéis
44 SELECT * FROM hotel
```

The results section below the code shows 'Success. No rows returned'.

Delete



This screenshot is similar to the previous one, but it includes an additional DELETE query in the code:

```
39 UPDATE cliente_telefone
40 SET telefone_cliente = '(11)98888-7777'
41 WHERE id_telefone = 5;
42
43 DELETE FROM cliente_telefone
44 WHERE id_telefone = 4;
45
46
47
48 ---hotéis
```

The results section again shows 'Success. No rows returned'.

TABELA HOTEL

Create

The screenshot shows the Supabase SQL Editor interface. On the left, there's a sidebar with sections like 'SHARED', 'FAVORITES', 'PRIVATE (9)', 'CRUD' (which is selected), and 'COMMUNITY'. Under 'CRUD', there are several tables listed: 'Dados Reserva_viajem', 'Dados Reserva', 'Dados Viagem', 'Dados Hotel', 'Dados Telefone', 'Dados endereço', 'Dados Cliente', and 'Criação das Tabelas'. The main area is titled 'SQL Editor' and contains a code editor with the following SQL script:

```
44 WHERE id_telefone = 4;
45 ---hotéis
46 INSERT INTO hotel (nome_hotel, categoria_hotel, preco_diaria_hotel)
47 VALUES ('Hotel Paraíso', 4, 350.00);
48
49
50 SELECT * FROM hotel
51 LIMIT 10;
52
53 ---viagens
```

Below the code editor, the results pane shows the message: 'Success. No rows returned' and '0 row'.

Read

The image shows two side-by-side screenshots of the Supabase SQL Editor interface. Both screenshots display the same database schema and query results.

SQL Editor:

```
43 DELETE FROM cliente_telefone  
44 WHERE id_telefone = 4;  
45 --hotels  
46 INSERT INTO hotel (nome_hotel, categoria_hotel, preco_diaria_hotel)  
47 VALUES ('Hotel Paraíso', 4, 350.00);  
48  
49 SELECT * FROM hotel  
50 LIMIT 15;
```

Results:

id_hotel	nome_hotel	categoria_hotel	preco_diaria_
1	Hotel1	5	1248.10
2	Hotel2	2	618.94
3	Hotel3	3	389.89
4	Hotel4	2	258.07
5	Hotel5	5	1034.86
6	Hotel6	1	974.25
7	Hotel7	1	389.00
8	Hotel8	1	994.28
9	Hotel9	3	242.45
10	Hotel10	5	1498.66
11	Hotel11	3	1268.36
12	Hotel12	2	541.70
13	Hotel13	4	1224.54
14	Hotel14	4	1311.79
15	Hotel15	3	1117.78

Bottom Status Bar:

Source Primary Database Role postgres Run CTRL +

Update

The screenshot shows the Supabase SQL Editor interface. On the left, there's a sidebar with sections like 'SHARED', 'FAVORITES', 'PRIVATE (9)', and 'COMMUNITY'. Under 'PRIVATE', there are several tables listed under 'CRUD': 'Dados Reserva_viajem', 'Dados Reserva', 'Dados Viagem', 'Dados Hotel', 'Dados Telefone', 'Dados endereco', and 'Dados Cliente'. Below these is a 'Criação das Tabelas' section. The main area is titled 'SQL Editor' and contains a code editor with the following SQL:

```
47 INSERT INTO hotel (nome_hotel, categoria_hotel, preco_diaria_hotel)
48 VALUES ('Hotel Paraíso', 4, 350.00);
49
50 SELECT * FROM hotel
51 LIMIT 15;
52
53 UPDATE hotel
54 SET preco_diaria_hotel = 420.00
55 WHERE id_hotel = 10;
56
57
58
59
```

The results pane below the editor shows 'Success. No rows returned' and indicates '0 row'.

Delete

This screenshot is similar to the previous one, showing the same interface and sidebar. The main difference is the SQL code in the editor:

```
50 SELECT * FROM hotel
51 LIMIT 15;
52
53 UPDATE hotel
54 SET preco_diaria_hotel = 420.00
55 WHERE id_hotel = 10;
56
57 DELETE FROM hotel
58 WHERE id_hotel = 9;
59
```

The results pane shows 'Success. No rows returned' and '0 row'.

TABELA VIAGEM

Create

```

55 WHERE id_hotel = 16;
56
57 DELETE FROM hotel
58 WHERE id_hotel = 9;
59
60 ---viagens
61 INSERT INTO viagem (nome_viagem, data_inicio_viagem, data_fim_viagem, preco_base_viagem, id_hotel)
62 VALUES ('Pacote Salvador', '2025-02-10', '2025-02-11', 1500.00, 1);
63
64 SELECT * FROM viagem
65
66 ---reservas
67
68 SELECT * FROM reserva
69 LIMIT 10;

```

Success. No rows returned

0 row

Read

```

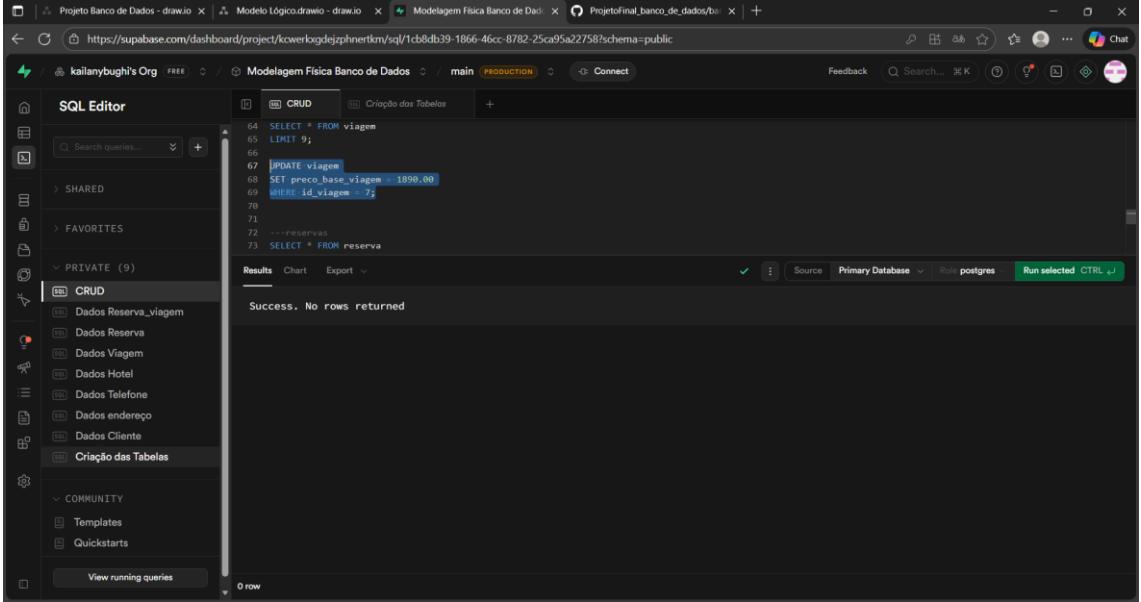
60 ---viagens
61 INSERT INTO viagem (nome_viagem, data_inicio_viagem, data_fim_viagem, preco_base_viagem, id_hotel)
62 VALUES ('Pacote Salvador', '2025-02-10', '2025-02-11', 1500.00, 1);
63
64 SELECT * FROM viagem
65
66 ---reservas
67
68 SELECT * FROM reserva
69 LIMIT 10;

```

id_viagem	nome_viagem	data_inicio_v	data_fim_via	preco_base_v	id_hotel
1	Viagem 1	2025-07-17	2026-03-15	1069.01	374
2	Viagem 2	2025-11-22	2026-04-10	3505.04	306
3	Viagem 3	2024-06-27	2025-11-14	2489.83	151
4	Viagem 4	2024-11-29	2025-03-13	759.47	182
5	Viagem 5	2024-01-25	2026-11-18	2425.97	499
6	Viagem 6	2024-04-21	2025-04-03	1649.83	462
7	Viagem 7	2025-11-24	2026-03-24	4253.24	78
8	Viagem 8	2024-12-07	2025-09-14	2139.50	469
9	Viagem 9	2025-11-16	2025-12-15	1627.10	13

9 rows

Update

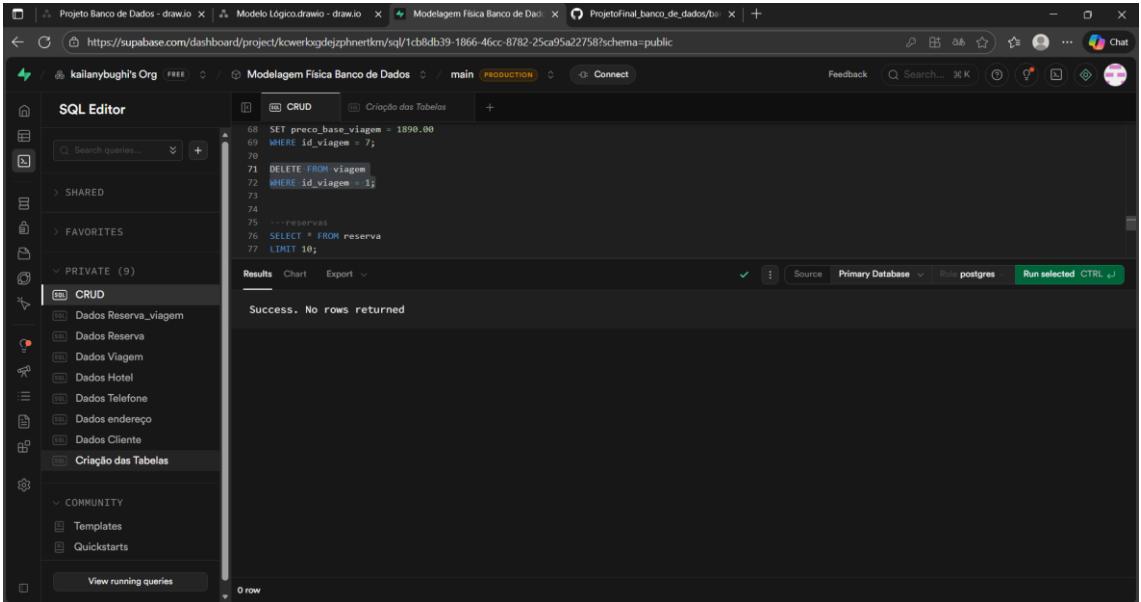


The screenshot shows the Supabase SQL Editor interface. On the left, there's a sidebar with sections like 'SHARED', 'FAVORITES', 'PRIVATE (9)', 'CRUD' (which is expanded to show 'Dados Reserva_viajem', 'Dados Reserva', etc.), and 'COMMUNITY'. The main area is titled 'CRUD' and contains a code editor with the following SQL:

```
64 SELECT * FROM viagem
65 LIMIT 9;
66
67 UPDATE viagem
68 SET preco_base_viajem = 1890.00
69 WHERE id_viajem = ?;
70
71
72 -- reservas
73 SELECT * FROM reserva
```

Below the code editor, the results pane shows 'Success. No rows returned' and '0 row'.

Delete



This screenshot is similar to the previous one, showing the Supabase SQL Editor. The 'CRUD' section is expanded to show the same list of tables. The code editor now contains a DELETE query:

```
68 SET preco_base_viajem = 1890.00
69 WHERE id_viajem = 7;
70
71 DELETE FROM viagem
72 WHERE id_viajem = 1;
73
74
75 -- reservas
76 SELECT * FROM reserva
77 LIMIT 10;
```

The results pane again shows 'Success. No rows returned' and '0 row'.