

DB Browser for SQLite - C:\Users\Shruti\Downloads\olist.sqlite\olist.sqlite

File Edit View Tools Help

New Database Open Database Write Changes Revert Changes Undo Open Project Save Project Attach Database Close Database

Database Structure Browse Data Edit Pragmas Execute SQL



SQL 1*

```
1 SELECT customer_state, COUNT(*) AS total_customers
2 FROM customers
3 WHERE customer_state = 'SP'
4 GROUP BY customer_state
5 ORDER BY total_customers DESC;
6
```

	customer_state	total_customers
1	SP	41746

Execution finished without errors.

Result: 1 rows returned in 35ms

At line 1:

```
SELECT customer_state, COUNT(*) AS total_customers
FROM customers
WHERE customer_state = 'SP'
GROUP BY customer_state
ORDER BY total_customers DESC;
```

DB Browser for SQLite - C:\Users\Shruti\Downloads\olist.sqlite\olist.sqlite

File Edit View Tools Help

New Database

Open Database

Write Changes

Revert Changes

Undo

Open Project

Save Project

Attach Database

Close Database

Database Structure Browse Data Edit Pragmas Execute SQL

SQL 1*

```
1
2 SELECT c.customer_id, c.customer_city, o.order_id
3 FROM customers c
4 INNER JOIN orders o
5 ON c.customer_id = o.customer_id;
6
```

	customer_id	customer_city	order_id
1	06b8999a2f...	franca	00e7ee1b05...
2	18955e88d3...	sao ...	29150127e6...
3	4e7b3e0028...	sao paulo	b2059ed67c...
4	b2b6027bc5...	mogi das ...	951670f923...
5	4f2d8ab171...	campinas	6b7d50bd14...
6	879864dab9...	jaragua do...	5741ea1f91...
7	fd826e7cf6...	sao paulo	36e694cf4c...

Execution finished without errors.
Result: 99441 rows returned in 2281ms
At line 2:
SELECT c.customer_id, c.customer_city, o.order_id
FROM customers c
INNER JOIN orders o
ON c.customer_id = o.customer_id;



SQL 1*

```
1 SELECT c.customer_id, c.customer_city, o.order_id
2 FROM customers c
3 LEFT JOIN orders o
4 ON c.customer_id = o.customer_id;
```

	customer_id	customer_city	order_id
1	06b8999e2fba1a1fbc88172c00ba8bc7	franca	00e7ee1b050b8499577073aeb2a297a1
2	18955e83d337fd6b2def6b18a428ac77	sao bernardo do campo	29150127e6685892b6eab3eec79f59c7
3	4e7b3e00288586ebd08712fdd0374a03	sao paulo	b2059ed67ce144a36e2aa97d2c9e9ad2
4	b2b6027bc5c5109e529d4dc6358b12c3	mogi das cruzeiros	951670f92359f4fe4a63112aa7306eba
5	4f2d8ab171c80ec8364f7c12e35b23ad	campinas	6b7d50bd145f6fc7f33cebabd7e49d0f
6	879864dab9bc3047522c92c82e1212b8	jaragua do sul	5741ea1f91b5fbab2bd2dc653a5b5099
7	fd826e7cf63160e536e0908c76c3f441	sao paulo	36e694cf4cbc2a4803200c35e84abdc4

Execution finished without errors.

Result: 99441 rows returned in 2056ms

At line 1:

```
SELECT c.customer_id, c.customer_city, o.order_id
FROM customers c
LEFT JOIN orders o
ON c.customer_id = o.customer_id;
```

DB Browser for SQLite - C:\Users\Shruti\Downloads\olist.sqlite\olist.sqlite

File Edit View Tools Help

New Database Open Database Write Changes Revert Changes Undo Open Project Save Project Attach Database Close Database

Database Structure Browse Data Edit Pragmas Execute SQL

SQL 1*

```
1 SELECT c.customer_id, c.customer_city, o.order_id
2 FROM orders o
3 LEFT JOIN customers c
4 ON c.customer_id = o.customer_id;
```

	customer_id	customer_city	order_id
1	9ef432eb6251297304e76186b10a928d	sao paulo	e481f51cbdc54678b7cc49136f2d6af7
2	b0830fb4747a6c6d20dea0b8c802d7ef	barreiras	53cdb2fc8bc7dce0b6741e2150273451
3	41ce2a54c0b03bf3443c3d931a367089	vianopolis	47770eb9100c2d0c44946d9cf07ec65d
4	f88197465ea7920adcdbec7375364d82	sao goncalo do amarante	949d5b44dbf5de918fe9c16f97b45f8a
5	8ab97904e6daea8866dbdbc4fb7aad2c	santo andre	ad21c59c0840e6cb83a9ceb5573f8159
6	503740e9ca751ccdda7ba28e9ab8f608	congonghinhos	a4591c265e18cb1dcee52889e2d8acc3
7	ed0271e0b7da060a393796590e7b737a	santa rosa	136cce7faa42fdb2cefd53fdc79a6098

Execution finished without errors.
Result: 99441 rows returned in 1765ms
At line 1:
SELECT c.customer_id, c.customer_city, o.order_id
FROM orders o
LEFT JOIN customers c
ON c.customer_id = o.customer_id;

DB Browser for SQLite - C:\Users\Shruti\Downloads\olist.sqlite\olist.sqlite

FileEditViewToolsHelp

New DatabaseOpen DatabaseWrite ChangesRevert ChangesUndoOpen ProjectSave ProjectAttach DatabaseClose Database

Database StructureBrowse DataEdit PragmaExecute SQL

SQL 1*

```
1 SELECT customer_id, customer_city
2 FROM customers
3 WHERE customer_id IN (
4     SELECT customer_id
5     FROM orders
6 );
7
```

	customer_id	customer_city
1	06b8999e2fba1a1fbc88172c00ba8bc7	franca
2	18955e83d337fd6b2def6b18a428ac77	sao bernardo do campo
3	4e7b3e00288586abd08712fdd0374a03	sao paulo
4	b2b6027bc5c5109e529d4dc6358b12c3	mogi das cruzeis
5	4f2d8ab171c80ec8364f7c12e35b23ad	campinas
6	879864dab9bc3047522c92c82e1212b8	jaragua do sul
7	fd826e7cf63160e536e0908c76c3f441	sao paulo

Execution finished without errors.
Result: 99441 rows returned in 1347ms
At line 1:
SELECT customer_id, customer_city
FROM customers
WHERE customer_id IN (
 SELECT customer_id
 FROM orders
);

DB Browser for SQLite - C:\Users\Shruti\Downloads\olist.sqlite\olist.sqlite

File Edit View Tools Help

New Database Open Database Write Changes Revert Changes Undo Open Project Save Project Attach Database Close Database

Database Structure Browse Data Edit Pragma Execute SQL



SQL 1*

```
1 SELECT customer_state, COUNT(customer_id) AS total_customers
2 FROM customers
3 GROUP BY customer_state;
```

	customer_state	total_customers
1	AC	81
2	AL	413
3	AM	148
4	AP	68
5	BA	3380
6	CE	1336
7	DE	2140

Execution finished without errors.

Result: 27 rows returned in 110ms

At line 1:

```
SELECT customer_state, COUNT(customer_id) AS total_customers
FROM customers
GROUP BY customer_state;
```

DB Browser for SQLite - C:\Users\Shruti\Downloads\olist.sqlite\olist.sqlite

File Edit View Tools Help

New Database Open Database Write Changes Revert Changes Undo Open Project Save Project Attach Database Close Database

Database Structure Browse Data Edit Pragma Execute SQL



SQL 1*

```
1 SELECT c.customer_state, AVG(p.payment_value) AS avg_payment
2 FROM customers c
3 JOIN orders o ON c.customer_id = o.customer_id
4 JOIN order_payments p ON o.order_id = p.order_id
5 GROUP BY c.customer_state;
6
```

	customer_state	avg_payment
1	AC	234.293095238095
2	AL	227.077423887588
3	AM	181.603441558442
4	AP	232.325714285714
5	BA	170.816016620499
6	CE	199.90273962804
7	DF	161.134791288566

Execution finished without errors.

Result: 27 rows returned in 2684ms

At line 1:

```
SELECT c.customer_state, AVG(p.payment_value) AS avg_payment
FROM customers c
JOIN orders o ON c.customer_id = o.customer_id
JOIN order_payments p ON o.order_id = p.order_id
GROUP BY c.customer_state;
```



SQL 1*

```
1 SELECT * FROM customer_order_summary;
2
```

	customer_id	customer_city	customer_state	total_orders
1	00012a2ce6f8dcda20d059ce98491703	osasco	SP	1
2	000161a058600d5901f007fab4c27140	itapecerica	MG	1
3	0001fd6190edaaf884bcaf3d49edf079	nova venecia	ES	1
4	0002414f95344307404f0ace7a26f1d5	mendonca	MG	1
5	000379cdec625522490c315a70c7a9fb	sao paulo	SP	1
6	0004164d20a9e969af783496f3408652	valinhos	SP	1
7	000419c5494106c306a97b5635748086	niteroi	RJ	1

Execution finished without errors.
Result: 99441 rows returned in 3129ms
At line 1:
SELECT * FROM customer_order_summary;

DB Browser for SQLite - C:\Users\Shruti\Downloads\olist.sqlite\olist.sqlite

File Edit View Tools Help

New Database Open Database Write Changes Revert Changes Undo Open Project Save Project Attach Database Close Database

Database Structure Browse Data Edit Pragmas Execute SQL



SQL 1*

```
1 CREATE INDEX idx_customer_id
2 ON customers(customer_id);
```

Execution finished without errors.
Result: query executed successfully. Took 147ms
At line 1:
CREATE INDEX idx_customer_id
ON customers(customer_id);