

```

1 -- Get top 10 customers from São Paulo state
2 SELECT customer_id, customer_unique_id, customer_city, customer_state
3 FROM customers
4 WHERE customer_state = 'SP'
5 ORDER BY customer_city ASC
6 LIMIT 10;
7

```

customer_id	customer_unique_id	customer_city	customer_state
ed35271185aa3ecf2e421970e...	643b807a55c5add3c91379b31f...	adamantina	SP
9c8238260ea546e75c56fc27c0...	c7cd7684e4c3d80651bca76f2e...	adamantina	SP
f5219627819a30474a6ef14e15...	d36eba3490c536bfdecc22e3c6...	adamantina	SP
5684f8bf0ee27f2003ba2380c4...	12caadb5a521dab786cd45e51...	adamantina	SP
cc6a744ba14a060493fb64b97...	f4aeb606b01219f9277b55d672...	adamantina	SP
9872961494c04c3939cc4fa43b...	2fafff68ec29779e3b19a41f71fb...	adamantina	SP
4d32a98e390433a11d785b407...	442c6d640c754068dd2e714e0...	adamantina	SP
370e9b111968bd747c429eb56...	5cdb9e29de72b5564ffe68e9b4...	adamantina	SP

```
1 -- Total payments received by payment type
2 SELECT payment_type, SUM(payment_value) AS total_revenue
3 FROM order_payments
4 GROUP BY payment_type
5 ORDER BY total_revenue DESC;
6
```

payment_type	total_revenue
credit_card	12542084.19
boleto	2869361.27
voucher	379436.87
debit_card	217989.79
not_defined	0

```

1 -- List top 10 orders with customer city, product category, and price
2 SELECT o.order_id, c.customer_city, p.product_category_name, oi.price
3 FROM orders o
4 JOIN customers c ON o.customer_id = c.customer_id
5 JOIN order_items oi ON o.order_id = oi.order_id
6 JOIN products p ON oi.product_id = p.product_id
7 LIMIT 10;
8
9

```

order_id	customer_city	product_category_name	price
00e7ee1b050b8499577073aeb...	franca	moveis_escritorio	124.99
29150127e6685892b6eab3eec...	sao bernardo do campo	utilidades_domesticas	289
b2059ed67ce144a36e2aa97d2...	sao paulo	moveis_escritorio	139.94
951670f92359f4fe4a63112aa7...	mogi das cruzes	moveis_escritorio	149.94
6b7d50bd145f6fc7f33cebabd7...	campinas	casa_conforto	230
5741ea1f91b5fbab2bd2dc653a...	jaragua do sul	esporte_lazer	259.9
36e694cf4cbc2a4803200c35e8...	sao paulo	informatica_acessorios	14.99
1093c8304c7a003280dd34598...	timoteo	NULL	19.9

```
1 -- Customers who spent more than the average total payment
2 SELECT customer_id
3 FROM orders
4 WHERE order_id IN (
5     SELECT order_id
6     FROM order_payments
7     GROUP BY order_id
8     HAVING SUM(payment_value) > (
9         SELECT AVG(payment_value) FROM order_payments
10    )
11 );
12
13
```

customer\_id

41ce2a54c0b03bf3443c3d931a367089

503740e9ca751ccdda7ba28e9ab8f608

31ad1d1b63eb9962463f764d4e6e0c9d

494dded5b201313c64ed7f100595b95c

738b086814c6fcc74b8cc583f8516ee3

a166da34890074091a942054b36e4265

7e20bf5ca92da68200643bda76c504c6

cce89a605105b148387c52e286ac8335

```

1 -- Monthly sales summary (revenue)
2 SELECT strftime('%Y-%m', order_purchase_timestamp) AS month,
3         SUM(payment_value) AS total_revenue
4 FROM orders o
5 JOIN order_payments p ON o.order_id = p.order_id
6 GROUP BY strftime('%Y-%m', order_purchase_timestamp);
7
8

```

month	total_revenue
2016-09	252.24
2016-10	59090.48
2016-12	19.62
2017-01	138488.04
2017-02	291908.01
2017-03	449863.6
2017-04	417788.03
2017-05	592918.82