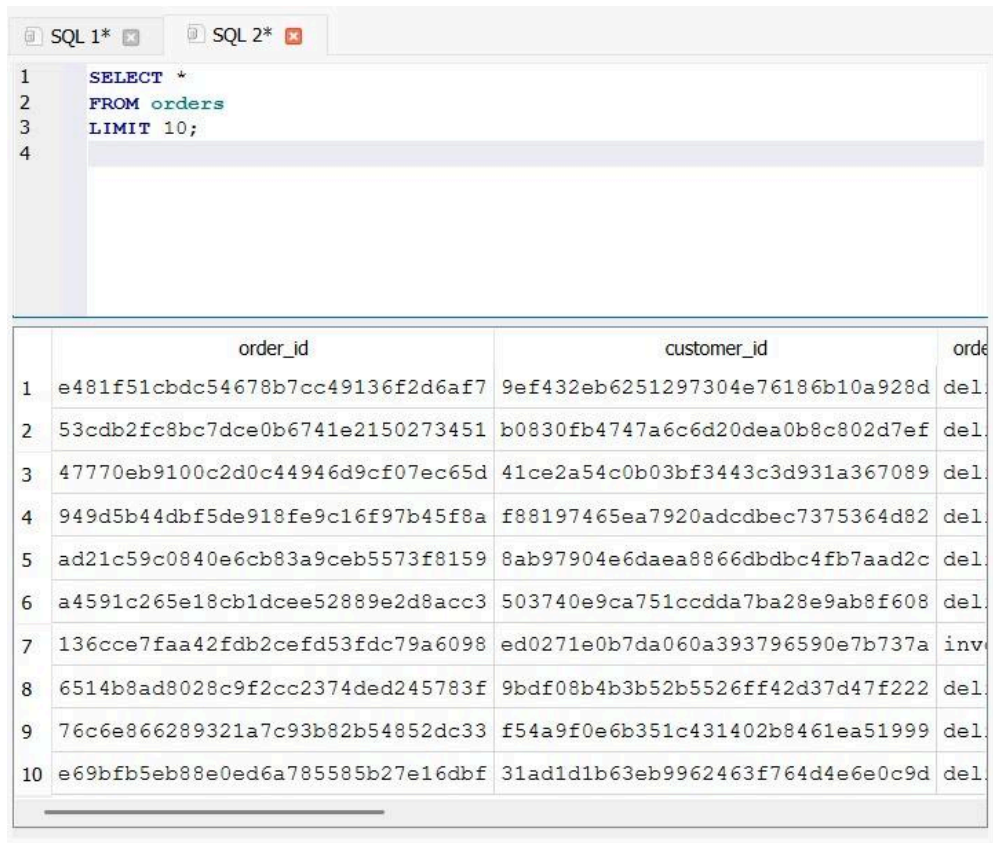


1.



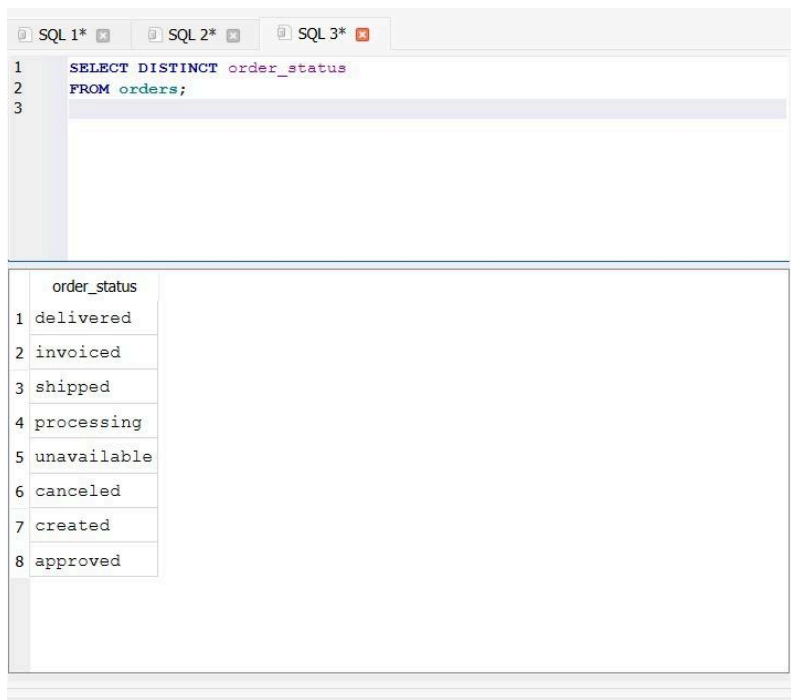
The screenshot shows a SQL IDE with two tabs: 'SQL 1*' and 'SQL 2*'. The 'SQL 2*' tab is active and contains the following query:

```
1 SELECT *
2 FROM orders
3 LIMIT 10;
4
```

Below the query editor, the results of the query are displayed in a table with three columns: 'order_id', 'customer_id', and 'order_status'. The table contains 10 rows of data.

	order_id	customer_id	order_status
1	e481f51cbdc54678b7cc49136f2d6af7	9ef432eb6251297304e76186b10a928d	delivered
2	53cdb2fc8bc7dce0b6741e2150273451	b0830fb4747a6c6d20dea0b8c802d7ef	delivered
3	47770eb9100c2d0c44946d9cf07ec65d	41ce2a54c0b03bf3443c3d931a367089	delivered
4	949d5b44dbf5de918fe9c16f97b45f8a	f88197465ea7920adcdbec7375364d82	delivered
5	ad21c59c0840e6cb83a9ceb5573f8159	8ab97904e6daea8866dbdbc4fb7aad2c	delivered
6	a4591c265e18cb1dcee52889e2d8acc3	503740e9ca751ccdda7ba28e9ab8f608	delivered
7	136cce7faa42fdb2cefd53fdc79a6098	ed0271e0b7da060a393796590e7b737a	invoiced
8	6514b8ad8028c9f2cc2374ded245783f	9bdf08b4b3b52b5526ff42d37d47f222	delivered
9	76c6e866289321a7c93b82b54852dc33	f54a9f0e6b351c431402b8461ea51999	delivered
10	e69bfb5eb88e0ed6a785585b27e16dbf	31ad1d1b63eb9962463f764d4e6e0c9d	delivered

2.



The screenshot shows a SQL IDE with three tabs: 'SQL 1*', 'SQL 2*', and 'SQL 3*'. The 'SQL 3*' tab is active and contains the following query:

```
1 SELECT DISTINCT order_status
2 FROM orders;
3
```

Below the query editor, the results of the query are displayed in a table with one column: 'order_status'. The table contains 8 rows of data.

order_status
1 delivered
2 invoiced
3 shipped
4 processing
5 unavailable
6 canceled
7 created
8 approved

SQL 1*	
1	SELECT
2	order_status,
3	COUNT(*) AS total_orders
4	FROM orders
5	GROUP BY order_status
6	ORDER BY total_orders DESC;
7	

	order_status	total_orders
1	delivered	96478
2	shipped	1107
3	canceled	625
4	unavailable	609
5	invoiced	314
6	processing	301
7	created	5
8	approved	2

3.

4.

SQL 1*	
1	SELECT COUNT(*) AS total_orders
2	FROM orders;
3	

	total_orders
1	99441

5.

SQL 1*	
1	SELECT
2	STRFTIME('%Y', order_purchase_timestamp) AS order_year,
3	COUNT(*) AS total_orders
4	FROM orders
5	GROUP BY order_year
6	ORDER BY order_year;
7	

	order_year	total_orders
1	2016	329
2	2017	45101
3	2018	54011

6.

SQL 2*	
<pre> 1 SELECT 2 SUM(payment_value) AS total_revenue 3 FROM payments; 4 </pre>	
total_revenue	
1	16008872.12

7.

SQL 3*	
<pre> 1 SELECT 2 STRFTIME('%Y', o.order_purchase_timestamp) AS order_year, 3 SUM(p.payment_value) AS yearly_revenue 4 FROM orders o 5 JOIN payments p ON o.order_id = p.order_id 6 GROUP BY order_year 7 ORDER BY order_year; 8 </pre>	
order_year	yearly_revenue
1 2016	59362.34
2 2017	7249746.73
3 2018	8699763.05

8.

SQL 4*	
<pre> 1 SELECT 2 o.customer_id, 3 SUM(p.payment_value) AS total_spent 4 FROM orders o 5 JOIN payments p ON o.order_id = p.order_id 6 GROUP BY o.customer_id 7 ORDER BY total_spent DESC 8 LIMIT 10; 9 </pre>	
customer_id	total_spent
1 1617b1357756262bfa56ab541c47bc16	13664.08
2 ec5b2ba62e574342386871631fafd3fc	7274.88
3 c6e2731c5b391845f6800c97401a43a9	6929.31
4 f48d464a0baaea338cb25f816991ab1f	6922.21
5 3fd6777bbce08a352fddd04e4a7cc8f6	6726.66
6 05455dfa7cd02f13d132aa7a6a9729c6	6081.54
7 df55c14d1476a9a3467f131269c2477f	4950.34
8 e0a2412720e9ea4f26c1ac985f6a7358	4809.44
9 24bbf5fd2f2e1b359ee7de94defc4a15	4764.34
10 3d979689f636322c62418b6346b1c6d2	4681.78

9.

SQL 5*	SQL 6*	SQL 7*	SQL 8*	SQL 9*	SQL 10*
1	2	3	4	5	6
7	8	9			
<pre> SELECT product_id, COUNT(*) AS total_sales FROM order_items GROUP BY product_id ORDER BY total_sales DESC LIMIT 10; </pre>					
	product_id	total_sales			
1	aca2eb7d00ea1a7b8ebd4e68314663af	527			
2	99a4788cb24856965c36a24e339b6058	488			
3	422879e10f46682990de24d770e7f83d	484			
4	389d119b48cf3043d311335e499d9c6b	392			
5	368c6c730842d78016ad823897a372db	388			
6	53759a2ecddad2bb87a079a1f1519f73	373			
7	d1c427060af73f6b889a5c7c61f2ac4	343			
8	53b36df67ebb7c41585e8d54d6772e08	323			
9	154e7e31ebfa092203795c972e5804a6	281			
10	3dd2a17168ec895c781a9191c1e95ad7	274			

10.

SQL 6*	SQL 7*	SQL 8*	SQL 9*	SQL 10*	SQL 11*
1	2	3	4	5	6
7	8	9	10		
<pre> CREATE VIEW IF NOT EXISTS orders_summary AS SELECT o.order_id, o.customer_id, o.order_status, SUM(oi.price + oi.freight_value) AS order_total FROM orders o JOIN order_items oi ON o.order_id = oi.order_id GROUP BY o.order_id; </pre>					

SQL 7*	SQL 8*	SQL 9*	SQL 10*	SQL 11*	SQL 12*
1	2	3	4		
<pre> SELECT * FROM orders_summary LIMIT 10; </pre>					
	order_id	customer_id	order_status	order_tot	
1	a6d1ba2dd792cb16214	3ce436f183e68e07877b285a838db11a	delivered	72.19	
2	20c557190d7a144bdd3	f6dd3ec061db4e3987629fe6b26e5cce	delivered	259.83	
3	4ef6ca0657da4fc703e	6489ae5e4333f3693df5ad4372dab6d3	delivered	216.87	
4	6daa1e931b038114c75	d4eb9395c8c0431ee92fce09860c5a06	delivered	25.78	
5	7ce69dfabb4e55b4fd9	58dbd0b2d70206bf40e62cd34e84d795	delivered	218.04	
6	c65dbb7d2a0634bc1ea	816cbea969fe5b689b39cfc97a506742	delivered	34.59	
7	7675808bcb819fb4a32	32e2e6ab09e778d99bf2e0ecd4898718	delivered	31.75	
8	847cbb9d288c5617fa6	9ed5e522dd9dd85b4af4a077526d8117	delivered	880.75	
9	d785b8e2b08b904576c	16150771dfd4776261284213b89c304e	delivered	157.6	
10	53dcd1d21e1fb923495	351d3cb2cee3c7fd0af6616c82df21d3	delivered	65.39	

11.