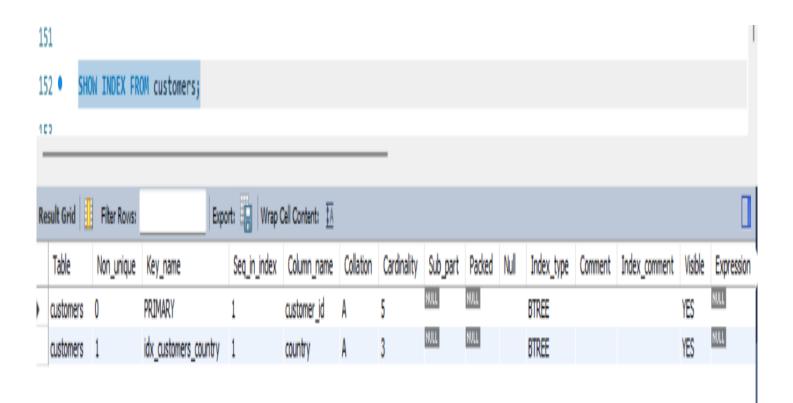
```
-- a. Select customers from USA ordered by last name
38
        SELECT first name, last name, country
39 •
        FROM customers
10
        WHERE country = 'USA'
1
        ORDER BY last name;
12
                                              Export: Wrap Cell Content: TA
sult Grid
             Filter Rows:
 first_name
             last name
                        country
 Alice
            Brown
                       USA
 Eve
            Clark
                       USA
 Charlie
            Davis
                       USA
         -- b. INNER JOIN orders with customers
 94
         SELECT o.order_id, c.first_name, c.last_name, o.order_date
 95 •
         FROM orders o
 96
         INNER JOIN customers c ON o.customer id = c.customer id;
 97
 98
                                            Export: Wrap Cell Content: TA
Result Grid Result Gride Rows:
                                 order_date
   order_id | first_name
                     last_name
           Alice
                                2023-07-01
                      Brown
  2
           Alice
                      Brown
                                2023-07-15
  3
           Bob
                      Smith
                                2023-06-25
           Charlie
                      Davis
                                2023-07-10
  5
           Dana
                      Wilson
                                2023-07-12
           Eve
                      Clark
                                2023-07-15
```

```
SELECT c.first_name, c.last_name, total_spent
99
       FROM (
01
           SELECT o.customer_id, SUM(oi.price * oi.quantity) AS total_spent
92
03
           FROM orders o
           JOIN order_items oi ON o.order_id = oi.order_id
           GROUP BY o.customer_id
05
       ) AS spending
96
       JOIN customers c ON spending.customer_id = c.customer_id
07
08
       WHERE total_spent > (
09
           SELECT AVG(total)
           FROM (
10
               SELECT SUM(oi.price * oi.quantity) AS total
11
12
               FROM orders o
               JOIN order items oi ON o.order id = oi.order id
13
               GROUP BY o.customer_id
14
15
           ) AS averages
       ) 5
16
esult Grid 🔢 🔷 Filter Rows:
                                       Export: Wrap Cell Content: IA
 first_name last_name total_spent
 Alice
                     1659.95
           Brown
          Clark 999.99
 Eve
       -- d. Aggregate: Average order value by country
8
       SELECT c.country, AVG(order total) AS avg order value
9 •
       FROM customers c
0

→ JOIN (
1
           SELECT o.customer_id, SUM(oi.price * oi.quantity) AS order_total
2
3
           FROM orders o
           JOIN order items oi ON o.order id = oi.order id
4
5
           GROUP BY o.order id
       ) AS order_summaries ON c.customer_id = order_summaries.customer_id
6
7
       GROUP BY c.country;
8
                                         Export: Wrap Cell Content: TA
sult Grid 📗 💎 Filter Rows:
 country
        avg_order_value
USA
         736.357500
         300.000000
Canada
UK
         99.980000
```

```
0
39
        -- Query the view
        SELECT * FROM customer_order_summary
10
        WHERE total_spent > 500
1
        ORDER BY total_spent DESC;
12
13
                                             Export: Wrap Cell Content: IA
sult Grid
              Filter Rows:
                                             orders_count
                                                           total_spent
 customer_id
              first_name
                         last_name
                                    country
             Alice
                                   USA
                                                          1659.95
                         Brown
                                             2
 5
                         Clark
                                   USA
                                             1
                                                          999.99
             Eve
```



156 • SHOW INDEX FROM orders;

R	esult Grid	Filter Ro	NS:	Export	Export: 🔛 Wrap Cell Content: 🔣											
	Table	Non_unique	Key_name	Seq_in_index	Column_name	Collation	Cardinality	Sub_part	Packed	Nul	Index_type	Comment	Index_comment	Visible	Expression	
)	orders	0	PRIMARY	1	order_id	A	6	HULL	NULL		BTREE			YES	NULL	
	orders	1	customer_id	1	customer_id	A	5	HULL	HULL		BTREE			YES	NULL	

