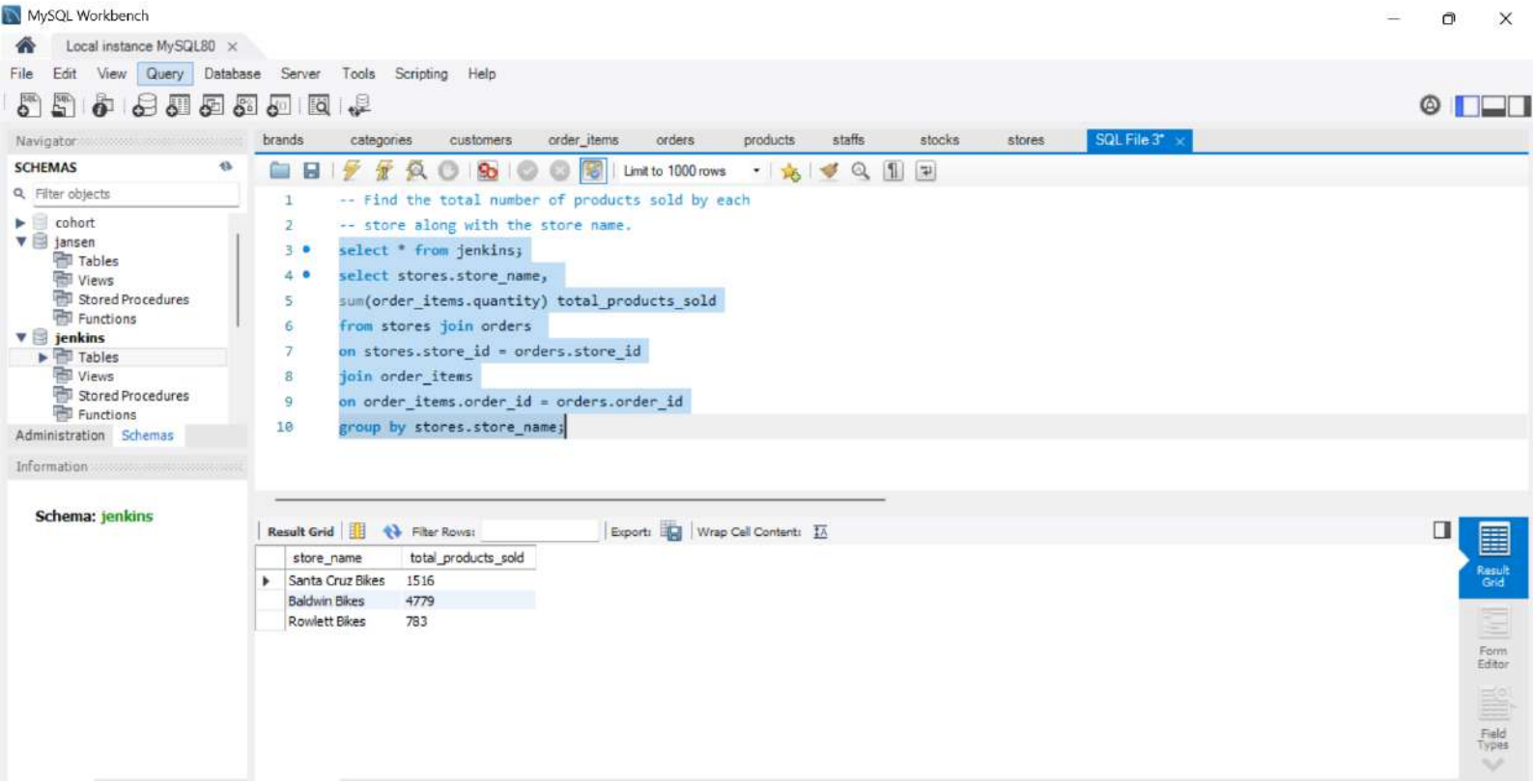
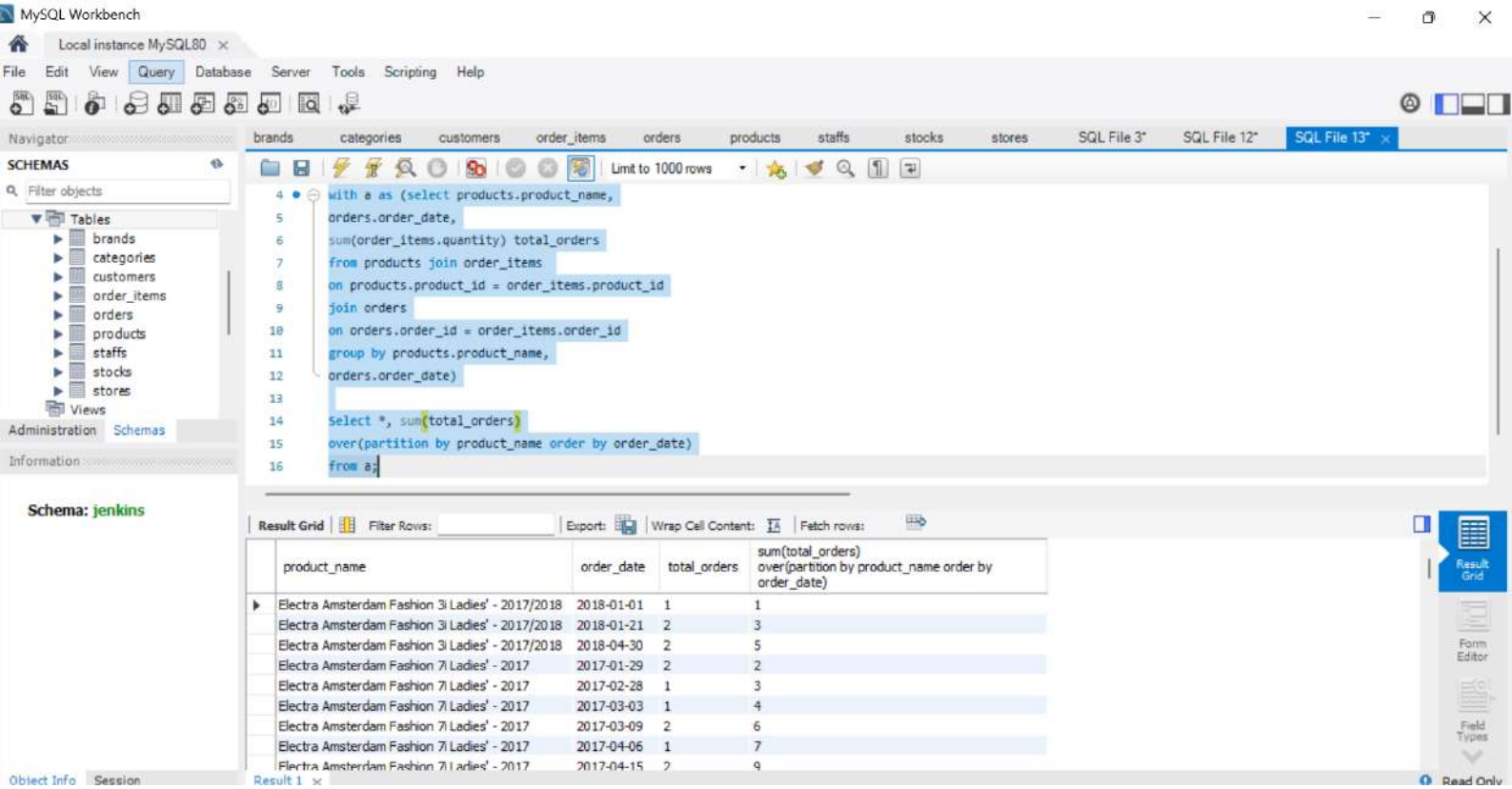
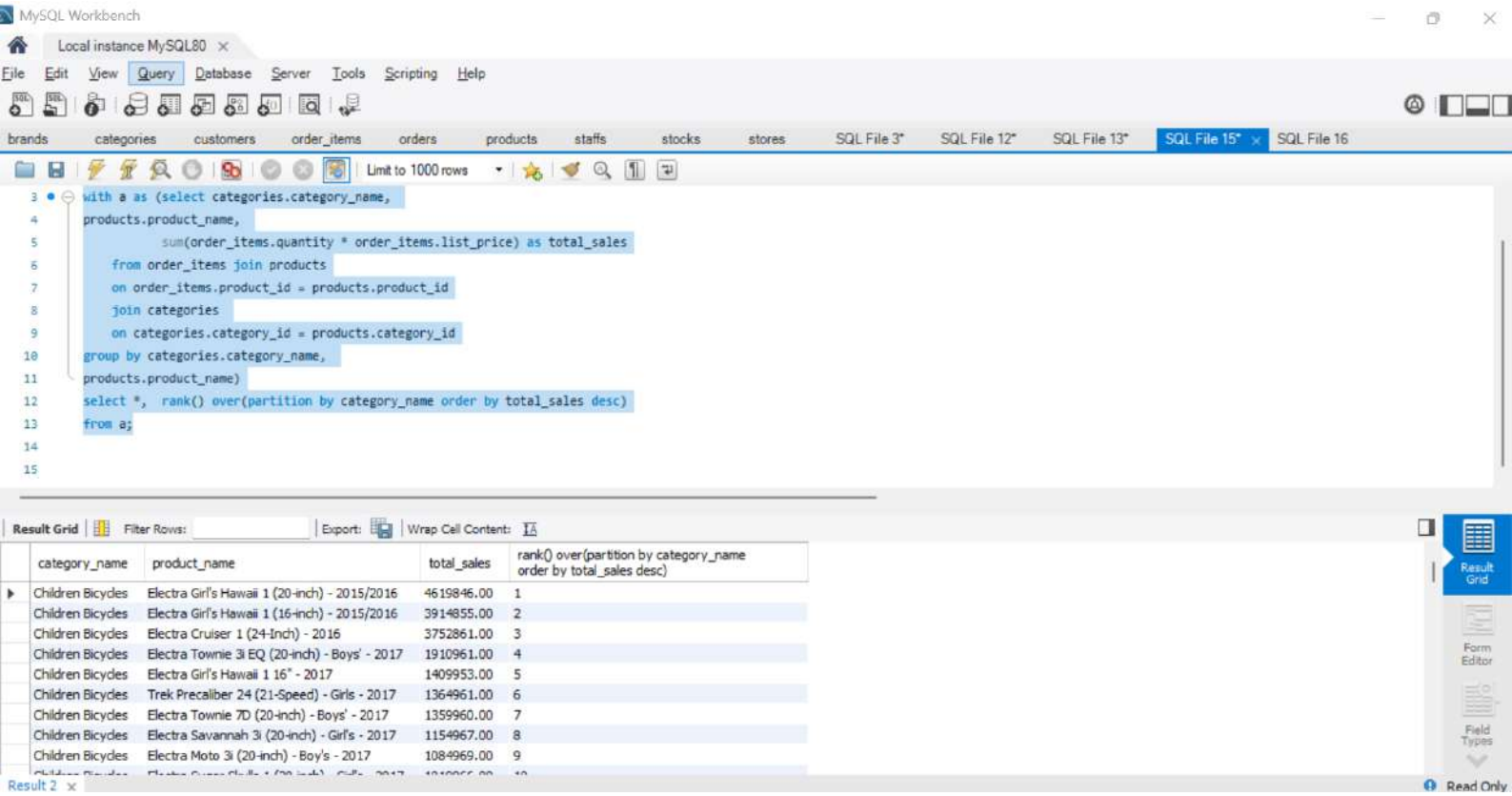
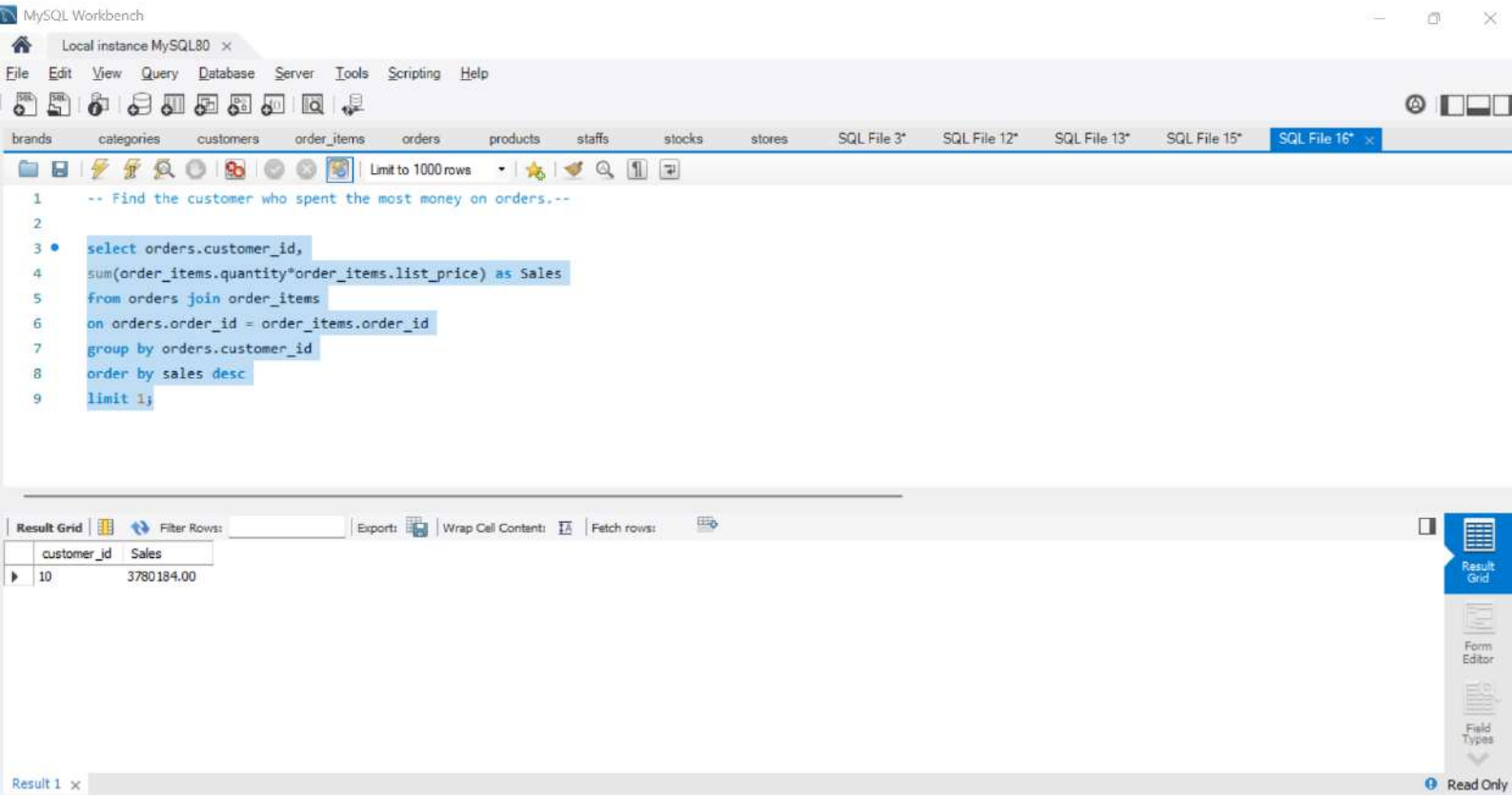
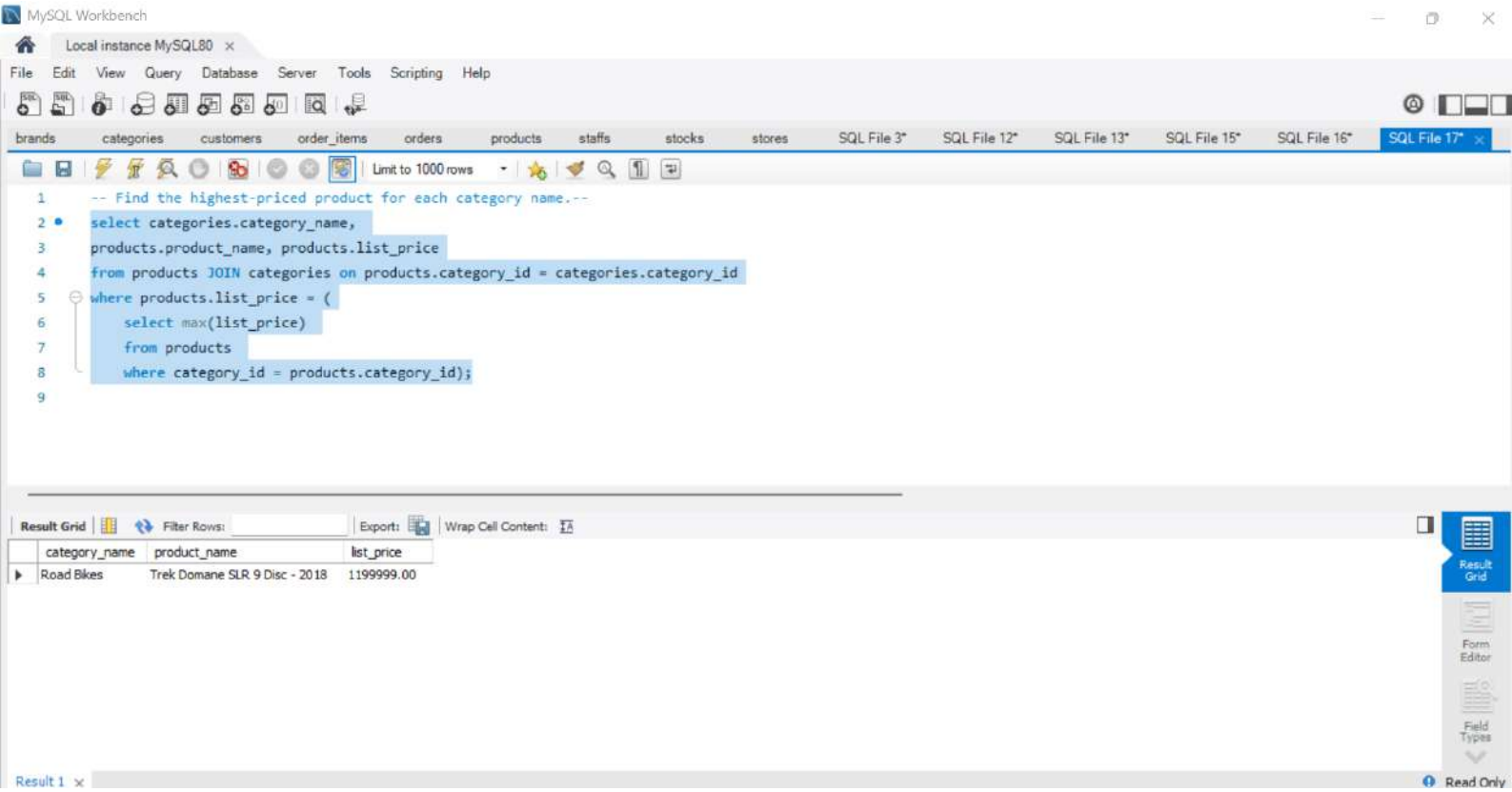
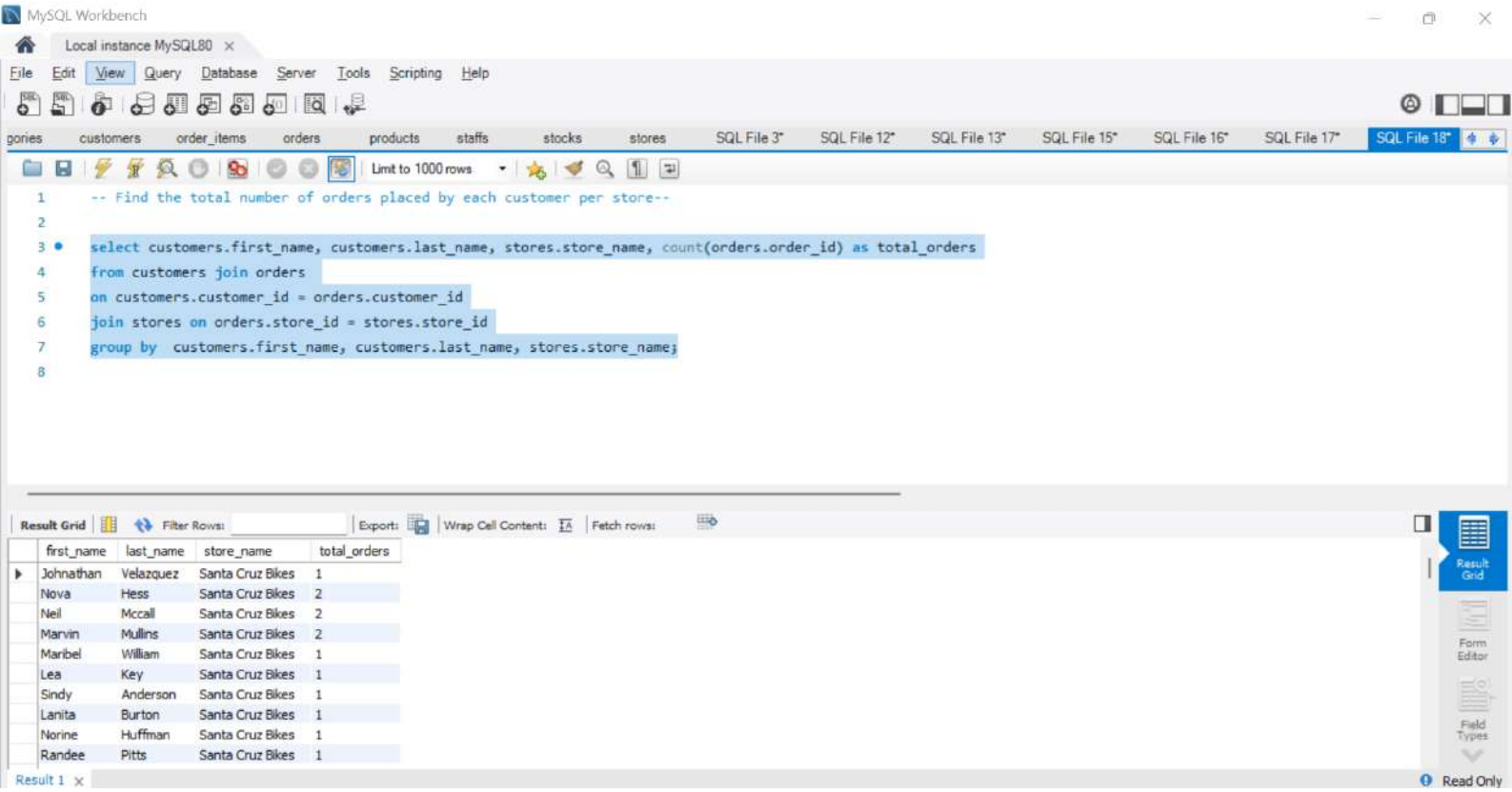

MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
cohort
jansen
Tables
Views
Stored Procedures
Functions
jenkins
Tables
Views
Stored Procedures
Functions
Administration Schemas
Information
Schema: jenkins
brands categories customers order_items orders products staffs stocks stores SQL File 3*
Limit to 1000 rows
1 -- Find the total number of products sold by each
2 -- store along with the store name.
3 select * from jenkins;
4 select stores.store_name,
5 sum(order_items.quantity) total_products_sold
6 from stores join orders
7 on stores.store_id = orders.store_id
8 join order_items
9 on order_items.order_id = orders.order_id
10 group by stores.store_name;
Result Grid Filter Rows: Export: Wrap Cell Content:
store_name total_products_sold
Santa Cruz Bikes 1516
Baldwin Bikes 4779
Rowlett Bikes 783
Result Grid
Form Editor
Field Types

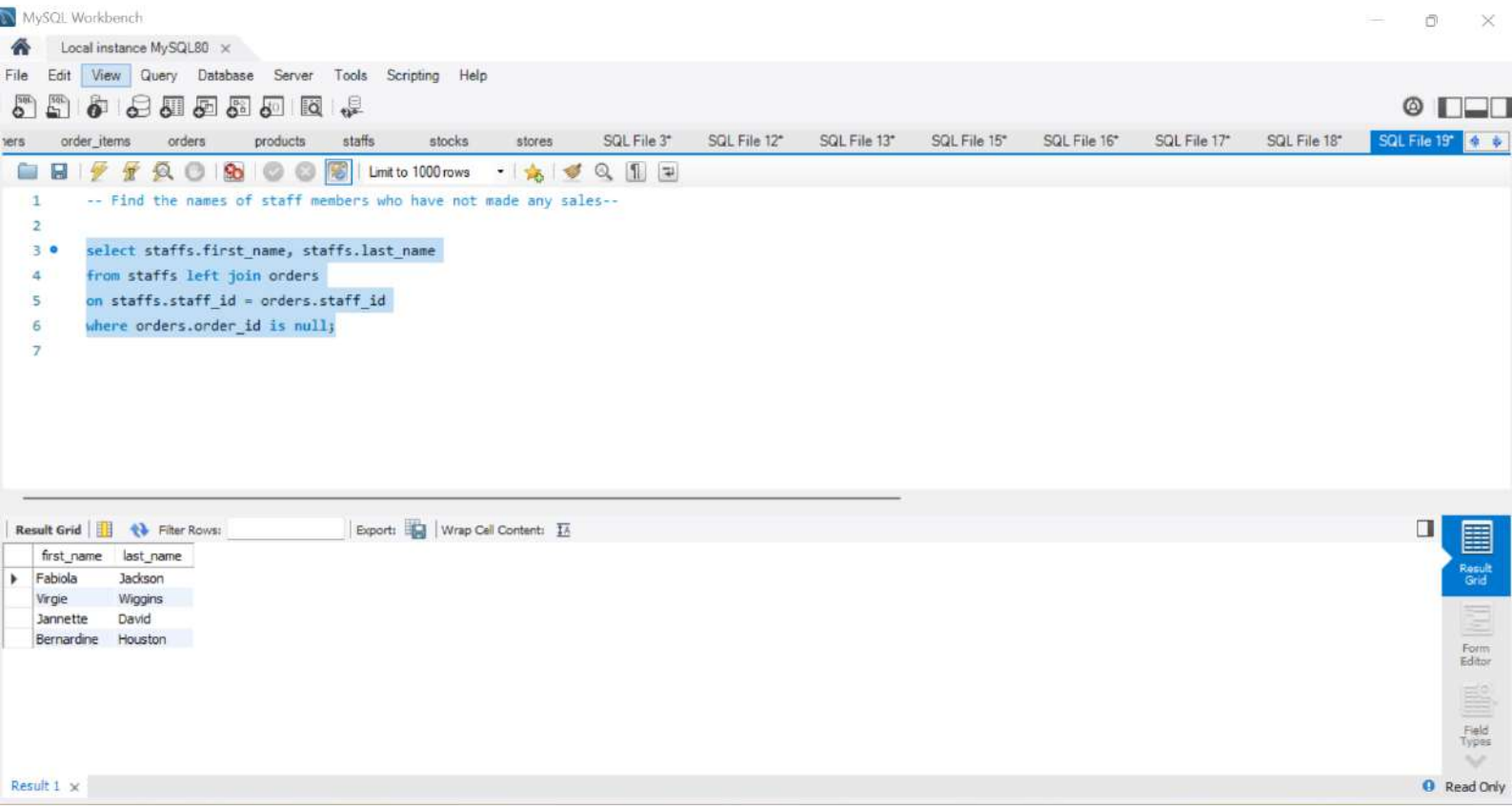

MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
Tables
brands
categories
customers
order_items
orders
products
staffs
stocks
stores
Views
Administration Schemas
Information
Schema: jenkins
Object Info Session
brands categories customers order_items orders products staffs stocks stores SQL File 3* SQL File 12* SQL File 13*
Limit to 1000 rows
4 with a as (select products.product_name,
5 orders.order_date,
6 sum(order_items.quantity) total_orders
7 from products join order_items
8 on products.product_id = order_items.product_id
9 join orders
10 on orders.order_id = order_items.order_id
11 group by products.product_name,
12 orders.order_date)
13
14 Select *, sum(total_orders)
15 over(partition by product_name order by order_date)
16 from a;
Result Grid Filter Rows: Export: Wrap Cell Content: Fetch rows:
product_name order_date total_orders sum(total_orders) over(partition by product_name order by order_date)
Electra Amsterdam Fashion 3i Ladies' - 2017/2018 2018-01-01 1 1
Electra Amsterdam Fashion 3i Ladies' - 2017/2018 2018-01-21 2 3
Electra Amsterdam Fashion 3i Ladies' - 2017/2018 2018-04-30 2 5
Electra Amsterdam Fashion 7i Ladies' - 2017 2017-01-29 2 2
Electra Amsterdam Fashion 7i Ladies' - 2017 2017-02-28 1 3
Electra Amsterdam Fashion 7i Ladies' - 2017 2017-03-03 1 4
Electra Amsterdam Fashion 7i Ladies' - 2017 2017-03-09 2 6
Electra Amsterdam Fashion 7i Ladies' - 2017 2017-04-06 1 7
Result 1
Result Grid
Form Editor
Field Types
Read Only

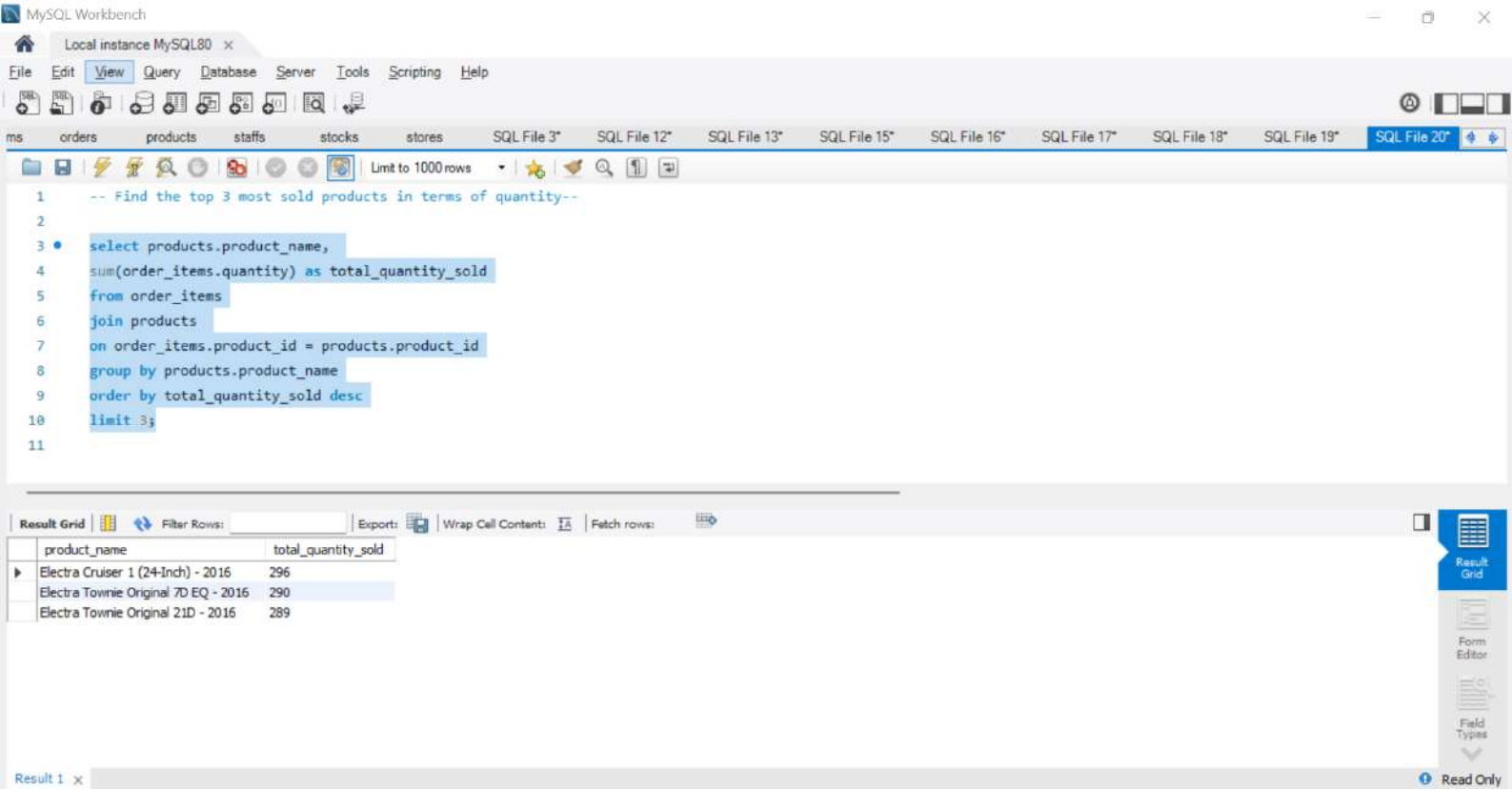

MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
brands categories customers order_items orders products staffs stocks stores SQL File 3* SQL File 12* SQL File 13* SQL File 15* SQL File 16
Limit to 1000 rows
with a as (select categories.category_name,
products.product_name,
sum(order_items.quantity * order_items.list_price) as total_sales
from order_items join products
on order_items.product_id = products.product_id
join categories
on categories.category_id = products.category_id
group by categories.category_name,
products.product_name)
select *, rank() over(partition by category_name order by total_sales desc)
from a;
Result Grid Filter Rows: Export: Wrap Cell Content:
category_name product_name total_sales rank() over(partition by category_name order by total_sales desc)
Children Bicycles Electra Girl's Hawaii 1 (20-inch) - 2015/2016 4619846.00 1
Children Bicycles Electra Girl's Hawaii 1 (16-inch) - 2015/2016 3914855.00 2
Children Bicycles Electra Cruiser 1 (24-Inch) - 2016 3752861.00 3
Children Bicycles Electra Townie 3i EQ (20-inch) - Boys' - 2017 1910961.00 4
Children Bicycles Electra Girl's Hawaii 1 16" - 2017 1409953.00 5
Children Bicycles Trek Precaliber 24 (21-Speed) - Girls - 2017 1364961.00 6
Children Bicycles Electra Townie 7D (20-inch) - Boys' - 2017 1359960.00 7
Children Bicycles Electra Savannah 3i (20-inch) - Girl's - 2017 1154967.00 8
Children Bicycles Electra Moto 3i (20-inch) - Boy's - 2017 1084969.00 9
Result 2
Result Grid
Form Editor
Field Types
Read Only

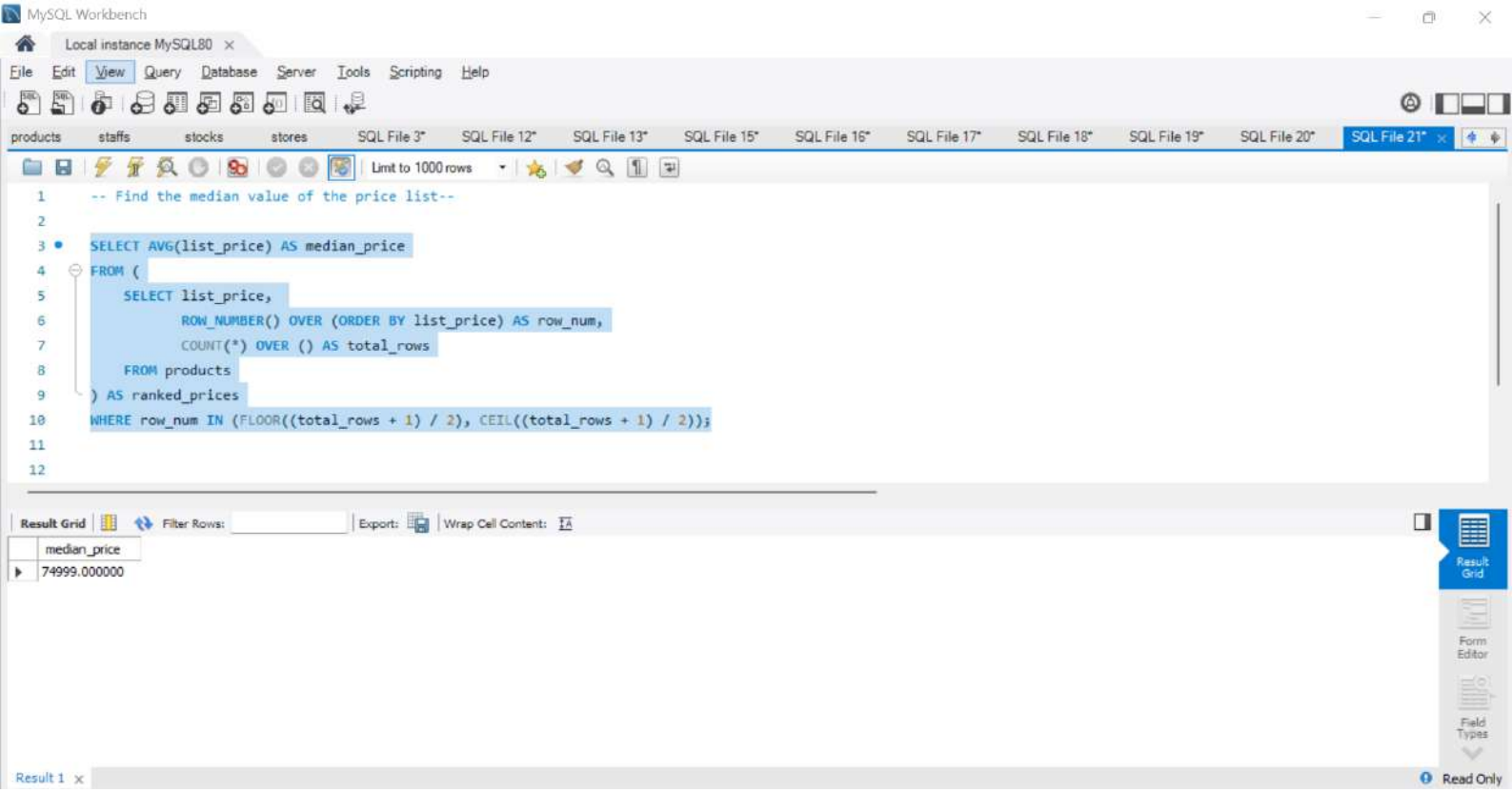

MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
brands categories customers order_items orders products staffs stocks stores SQL File 3* SQL File 12* SQL File 13* SQL File 15* SQL File 16*
Limit to 1000 rows
-- Find the customer who spent the most money on orders.--
select orders.customer_id,
sum(order_items.quantity*order_items.list_price) as Sales
from orders join order_items
on orders.order_id = order_items.order_id
group by orders.customer_id
order by sales desc
limit 1;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
Fetch rows:
customer_id Sales
10 3780184.00
Result Grid
Form Editor
Field Types
Result 1
Read Only

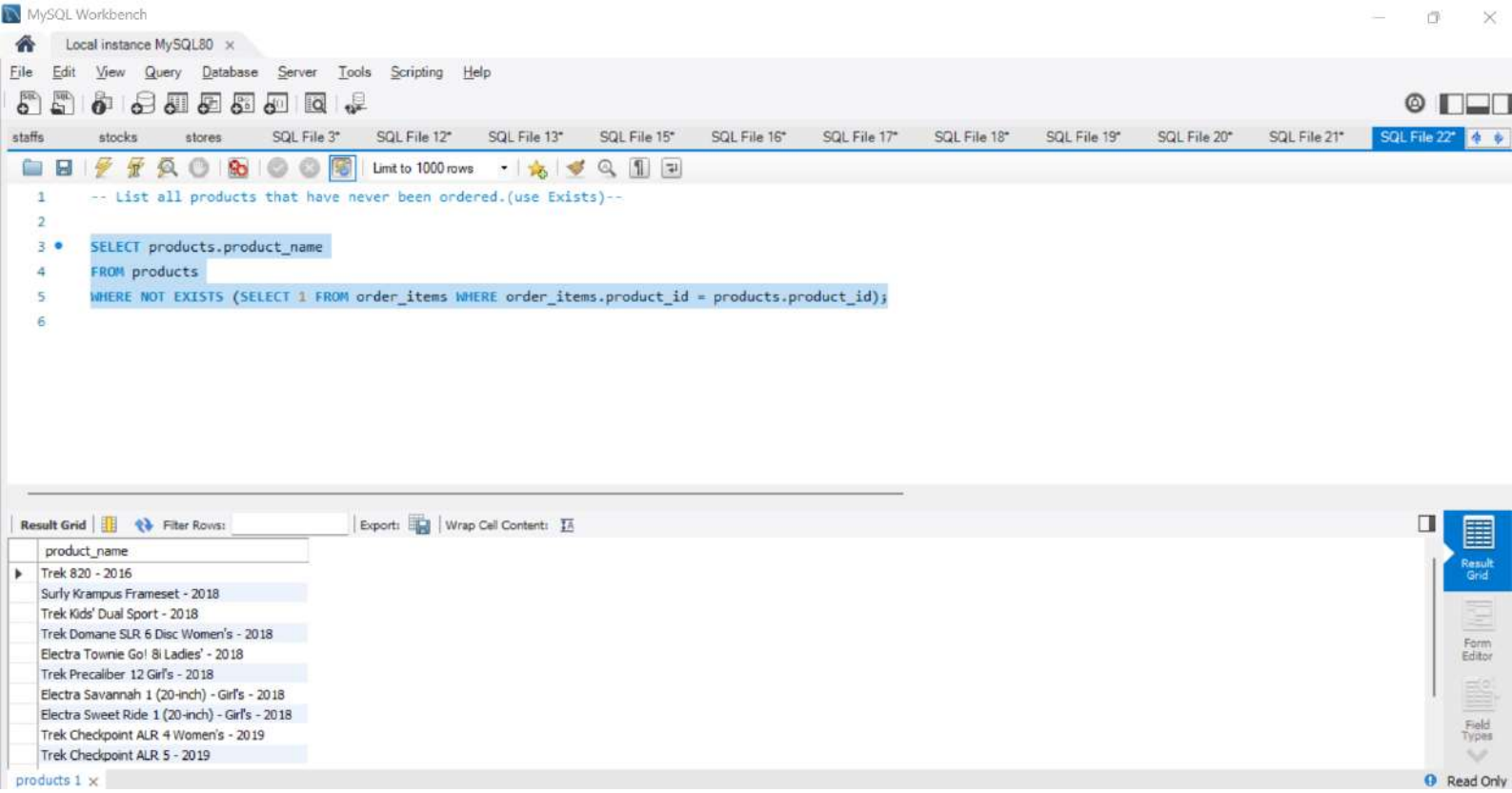

MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
brands categories customers order_items orders products staffs stocks stores SQL File 3* SQL File 12* SQL File 13* SQL File 15* SQL File 16* SQL File 17*
Limit to 1000 rows
-- Find the highest-priced product for each category name.--
select categories.category_name,
products.product_name, products.list_price
from products JOIN categories on products.category_id = categories.category_id
where products.list_price = (
select max(list_price)
from products
where category_id = products.category_id);
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
category_name
product_name
list_price
Road Bikes
Trek Domane SLR 9 Disc - 2018
1199999.00
Result Grid
Form Editor
Field Types
Result 1
Read Only

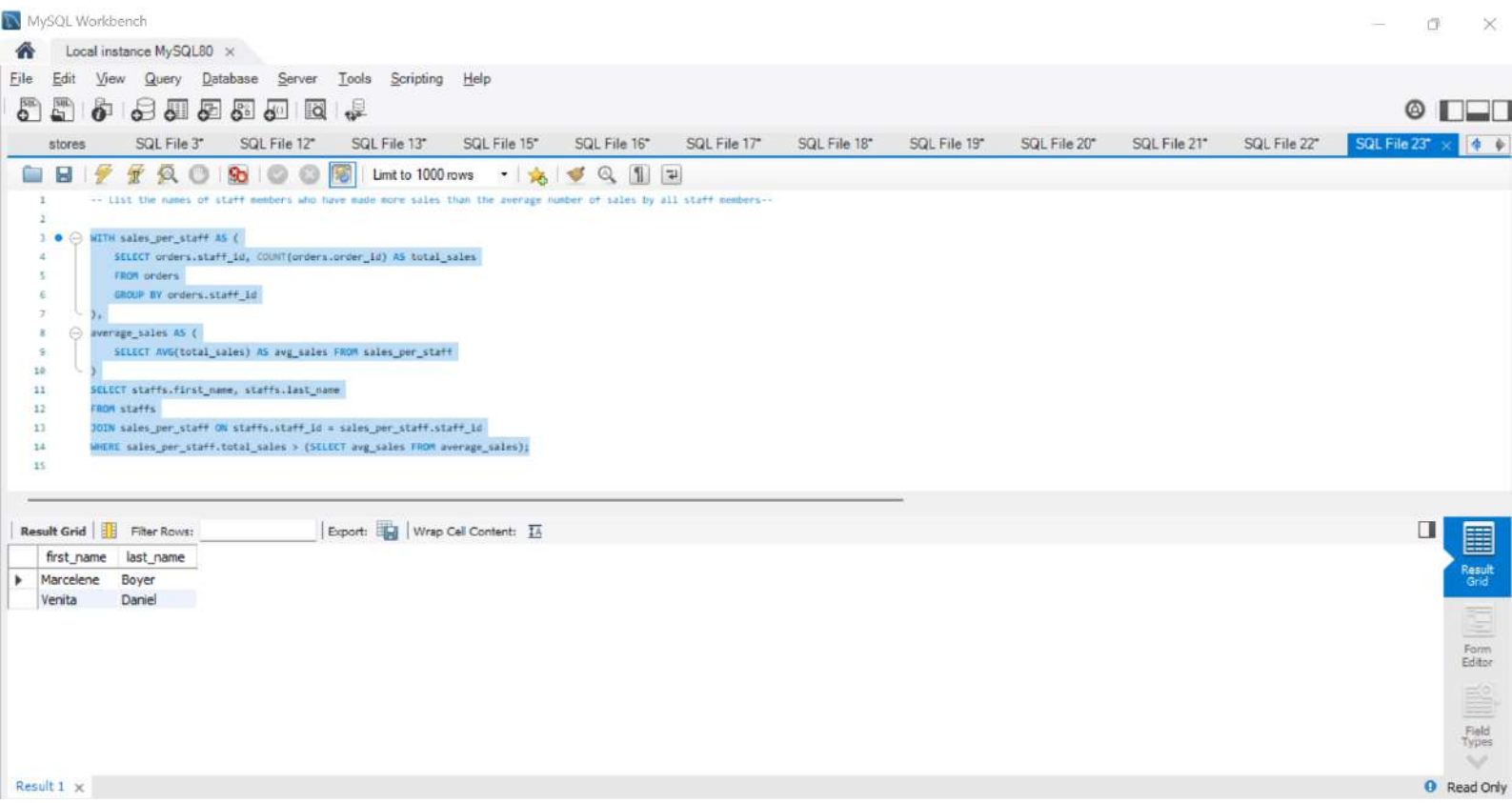

MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
gories customers order_items orders products staffs stocks stores SQL File 3* SQL File 12* SQL File 13* SQL File 15* SQL File 16* SQL File 17* SQL File 18*
Limit to 1000 rows
1 -- Find the total number of orders placed by each customer per store--
2
3 select customers.first_name, customers.last_name, stores.store_name, count(orders.order_id) as total_orders
4 from customers join orders
5 on customers.customer_id = orders.customer_id
6 join stores on orders.store_id = stores.store_id
7 group by customers.first_name, customers.last_name, stores.store_name;
8
Result Grid Filter Rows: Export: Wrap Cell Content: Fetch rows:
first_name last_name store_name total_orders
Johnathan Velazquez Santa Cruz Bikes 1
Nova Hess Santa Cruz Bikes 2
Neil Mccall Santa Cruz Bikes 2
Marvin Mullins Santa Cruz Bikes 2
Maribel William Santa Cruz Bikes 1
Lea Key Santa Cruz Bikes 1
Sindy Anderson Santa Cruz Bikes 1
Lanita Burton Santa Cruz Bikes 1
Norine Huffman Santa Cruz Bikes 1
Randee Pitts Santa Cruz Bikes 1
Result 1
Result Grid
Form Editor
Field Types
Read Only

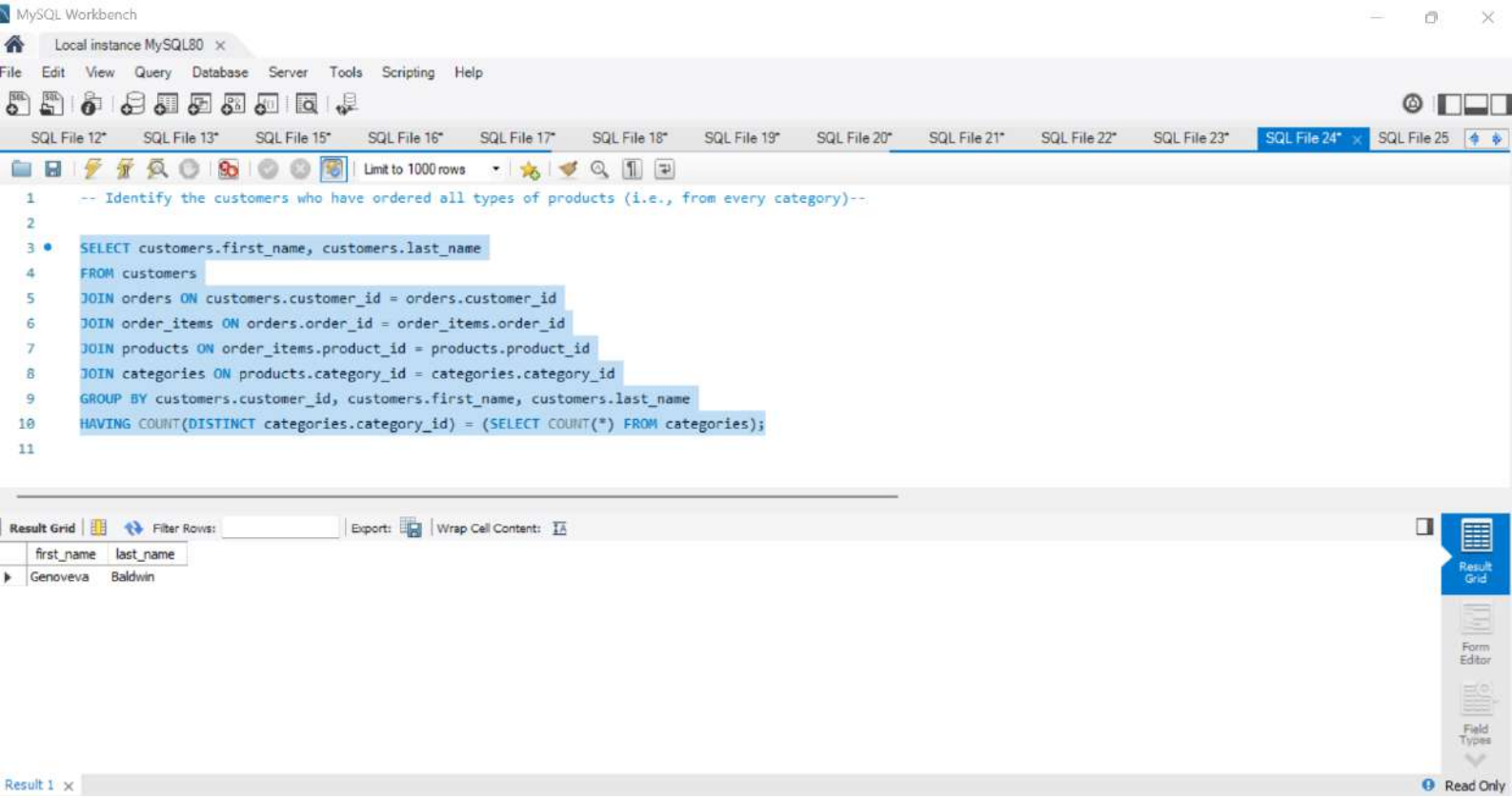

MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
order_items orders products staffs stocks stores SQL File 3* SQL File 12* SQL File 13* SQL File 15* SQL File 16* SQL File 17* SQL File 18* SQL File 19*
Limit to 1000 rows
1 -- Find the names of staff members who have not made any sales--
2
3 select staffs.first_name, staffs.last_name
4 from staffs left join orders
5 on staffs.staff_id = orders.staff_id
6 where orders.order_id is null;
7
Result Grid Filter Rows: Export: Wrap Cell Content:
first_name last_name
Fabiola Jackson
Virgie Wiggins
Jannette David
Bernardine Houston
Result Grid
Form Editor
Field Types
Result 1
Read Only


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
orders products staffs stocks stores SQL File 3* SQL File 12* SQL File 13* SQL File 15* SQL File 16* SQL File 17* SQL File 18* SQL File 19* SQL File 20*
Limit to 1000 rows
-- Find the top 3 most sold products in terms of quantity--
select products.product_name,
sum(order_items.quantity) as total_quantity_sold
from order_items
join products
on order_items.product_id = products.product_id
group by products.product_name
order by total_quantity_sold desc
limit 3;
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
Fetch rows:
product_name
total_quantity_sold
Electra Cruiser 1 (24-Inch) - 2016
296
Electra Townie Original 7D EQ - 2016
290
Electra Townie Original 21D - 2016
289
Result 1
Read Only


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
products staffs stocks stores SQL File 3* SQL File 12* SQL File 13* SQL File 15* SQL File 16* SQL File 17* SQL File 18* SQL File 19* SQL File 20* SQL File 21*
Limit to 1000 rows
-- Find the median value of the price list--
SELECT AVG(list_price) AS median_price
FROM (
SELECT list_price,
ROW_NUMBER() OVER (ORDER BY list_price) AS row_num,
COUNT(*) OVER () AS total_rows
FROM products
) AS ranked_prices
WHERE row_num IN (FLOOR((total_rows + 1) / 2), CEIL((total_rows + 1) / 2));
Result Grid Filter Rows: Export: Wrap Cell Content:
median_price
74999.000000
Result Grid
Form Editor
Field Types
Result 1
Read Only


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
staffs stocks stores SQL File 3* SQL File 12* SQL File 13* SQL File 15* SQL File 16* SQL File 17* SQL File 18* SQL File 19* SQL File 20* SQL File 21* SQL File 22*
Limit to 1000 rows
1 -- List all products that have never been ordered.(use Exists)--
2
3 SELECT products.product_name
4 FROM products
5 WHERE NOT EXISTS (SELECT 1 FROM order_items WHERE order_items.product_id = products.product_id);
6
Result Grid Filter Rows: Export: Wrap Cell Content:
product_name
Trek 820 - 2016
Surly Krampus Frameset - 2018
Trek Kids' Dual Sport - 2018
Trek Domane SLR 6 Disc Women's - 2018
Electra Townie Go! 8i Ladies' - 2018
Trek Precaliber 12 Girl's - 2018
Electra Savannah 1 (20-inch) - Girl's - 2018
Electra Sweet Ride 1 (20-inch) - Girl's - 2018
Trek Checkpoint ALR 4 Women's - 2019
Trek Checkpoint ALR 5 - 2019
products 1
Result Grid
Form Editor
Field Types
Read Only


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
stores SQL File 3* SQL File 12* SQL File 13* SQL File 15* SQL File 16* SQL File 17* SQL File 18* SQL File 19* SQL File 20* SQL File 21* SQL File 22* SQL File 23*
Limit to 1000 rows
-- List the names of staff members who have made more sales than the average number of sales by all staff members--
WITH sales_per_staff AS (
SELECT orders.staff_id, COUNT(orders.order_id) AS total_sales
FROM orders
GROUP BY orders.staff_id
),
average_sales AS (
SELECT AVG(total_sales) AS avg_sales FROM sales_per_staff
)
SELECT staffs.first_name, staffs.last_name
FROM staffs
JOIN sales_per_staff ON staffs.staff_id = sales_per_staff.staff_id
WHERE sales_per_staff.total_sales > (SELECT avg_sales FROM average_sales);
Result Grid Filter Rows: Export: Wrap Cell Content:
first_name last_name
Marcelene Boyer
Venita Daniel
Result Grid
Form Editor
Field Types
Result 1
Read Only


MySQL Workbench
Local instance MySQL80
File Edit View Query Database Server Tools Scripting Help
SQL File 12* SQL File 13* SQL File 15* SQL File 16* SQL File 17* SQL File 18* SQL File 19* SQL File 20* SQL File 21* SQL File 22* SQL File 23* SQL File 24* SQL File 25
Limit to 1000 rows
-- Identify the customers who have ordered all types of products (i.e., from every category)--
SELECT customers.first_name, customers.last_name
FROM customers
JOIN orders ON customers.customer_id = orders.customer_id
JOIN order_items ON orders.order_id = order_items.order_id
JOIN products ON order_items.product_id = products.product_id
JOIN categories ON products.category_id = categories.category_id
GROUP BY customers.customer_id, customers.first_name, customers.last_name
HAVING COUNT(DISTINCT categories.category_id) = (SELECT COUNT(*) FROM categories);
Result Grid
Filter Rows:
Export:
Wrap Cell Content:
first_name last_name
Genoveva Baldwin
Result Grid
Form Editor
Field Types
Result 1
Read Only