

73 • select product\_name from products where category='Elect

74 #Total revenue generated

Result Grid



Filter Rows:

Export:



Wrap Cell Content:

customer\_name

▶ Kirti Mittal

customers 58 ×

Output



Action Output

#	Time	Action
✓ 139	12:00:51	select p.product_id,p.product_name,sum(oi.quantity*p.price) as total_rever
✓ 140	12:17:07	select customer_name from customers where city='jaipur' LIMIT 0, 500



```

65 #List all customers from Jaipur
66 • select customer_name from customers where city='jaipur';
67 #Find total number of orders placed
68 • select count(order_id) from orders;
69 #Show order_id, customer_name, order_date
70 • select o.order_id,c.customer_name,o.order_date from customers as c join orders
71 as o on c.customer_id=o.customer_id;
72 #Find all products in Electronics category
73 • select product_name from products where category='Electronics';
74 #Total revenue generated

```

Result Grid   Filter Rows:  Export:  Wrap Cell Content: 

	count(order_id)
▶ 4	





Result 59 ×

Output

```

68 • select count(order_id) from orders;
69 #Show order_id, customer_name, order_date
70 • select o.order_id,c.customer_name,o.order_date from customers as c join orders
71 as o on c.customer_id=o.customer_id;
72 #Find all products in Electronics category
73 • select product_name from products where category='Electronics';
74 #Total revenue generated
75 • select sum(amount) from payments;
76 #Revenue by payment method
77 • select payment_method,sum(amount) from payments group by payment_method;

```

Result Grid   Filter Rows:  | Export:  | Wrap Cell Content: 

	order_id	customer_name	order_date
▶	1001	Amit Sharma	2023-05-01
	1002	Kirti Mittal	2023-05-03
	1003	Amit Sharma	2023-06-10
	1004	Rahul Verma	2023-06-15

Result 60 ×

Output



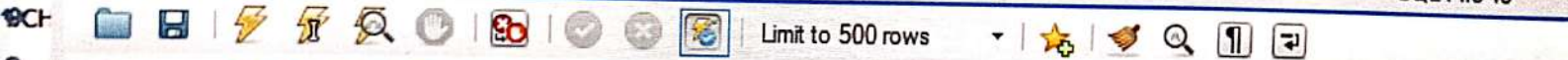
71 as o on c.customer\_id=o.customer\_id;  
 72 #Find all products in Electronics category  
 73 • select product\_name from products where category='Electronics';  
 74 #Total revenue generated  
 75 • select sum(amount) from payments;  
 76 #Revenue by payment method  
 77 • select payment\_method,sum(amount) from payments group by payment\_method;  
 78 #Total orders placed by each customer  
 79 • select c.customer\_name,count(o.order\_id) from customers as c join orders as o  
 80 on c.customer\_id=o.customer\_id group by c.customer\_name;

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	product_name
▶	iPhone 14
	Laptop



Nav ore subset (e... customer relationship managem... artifact artifact pizzasales customer\* SQL File 45\*



Limit to 500 rows

```
74 #Total revenue generated
75 • select sum(amount) from payments;
76 #Revenue by payment method
77 • select payment_method,sum(amount) from payments group by payment_method;
78 #Total orders placed by each customer
79 • select c.customer_name,count(o.order_id) from customers as c join orders as o
80 on c.customer_id=o.customer_id group by c.customer_name;
81 #Find average order value
82 • select sum(p.amount)/count(distinct o.order_id) as avg_order_value from payments as p join o
83 on o.order_id=o.order_id;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: ☒

	sum(amount)
▶	145000.00

Info

Result 62 x

Output

Action Output

#	Time	Action
143	12:17:57	select product_name from products where category='Electronics' LIMIT 0, 500

Message  
2 row(s) returned  
1 row(s) returned



```

74 #Total revenue generated
75 • select sum(amount) from payments;
76 #Revenue by payment method
77 • select payment_method,sum(amount) from payments group by payment_method;
78 #Total orders placed by each customer
79 • select c.customer_name,count(o.order_id) from customers as c join orders as o
80 on c.customer_id=o.customer_id group by c.customer_name;
81 #Find average order value
82 • select sum(p.amount)/count(distinct o.order_id) as avg_order_value from payments as p join orders as
83 on p.order_id=o.order_id;
    
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: ☐

	payment_method	sum(amount)
▶	Credit Card	74000.00
	UPI	66000.00
	Debit Card	5000.00

Result 63 x

Output

Action Output

#	Time	Action	Message
✓ 144	12:18:08	select sum(amount) from payments LIMIT 0, 500	1 row(s) returned
✓ 145	12:18:17	select payment_method,sum(amount) from payments group by payment_method LIMIT 0, 500	3 row(s) returned

Local instance MySQL80 x

Edit View Query Database Server Tools Scripting Help



ore subset (e...

customer relationship managem...

artifact

artifact

pizzasales

customer\*

SQL File 45\*

SQL File 46\*

ecomme



Limit to 500 rows

```
77 • select payment_method,sum(amount) from payments group by payment_method;
78 #Total orders placed by each customer
79 • select c.customer_name,count(o.order_id) from customers as c join orders as o
80 on c.customer_id=o.customer_id group by c.customer_name;
81 #Find average order value
82 • select sum(p.amount)/count(distinct o.order_id) as avg_order_value from payments as p join orders as o
83 on p.order_id=o.order_id;
84 #Top 3 highest selling products (by quantity)
85 • select p.product_name,sum(oi.quantity) as total_qty from products as p join order_items as oi
86 on p.product_id=oi.product_id group by p.product_name order by sum(oi.quantity) desc limit 3;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	customer_name	count(o.order_id)
▶	Amit Sharma	2
	Kirti Mittal	1
	Rahul Verma	1

Result 64 x

Output

Action Output			Message
#	Time	Action	
145	12:18:17	select payment_method,sum(amount) from payments group by payment_method LIMIT 0, 500	3 row(s) returned
146	12:18:26	select c.customer_name,count(o.order_id) from customers as c join orders as o on c.customer_id=o.c...	3 row(s) returned



```

77 • select payment_method,sum(amount) from payments group by payment_method;
78 #Total orders placed by each customer
79 • select c.customer_name,count(o.order_id) from customers as c join orders as o
80 on c.customer_id=o.customer_id group by c.customer_name;
81 #Find average order value
82 • select sum(p.amount)/count(distinct o.order_id) as avg_order_value from payments as p join orders as o
83 on p.order_id=o.order_id;
84 #Top 3 highest selling products (by quantity)
85 • select p.product_name,sum(oi.quantity) as total_qty from products as p join order_items as oi
86 on p.product_id=oi.product_id group by p.product_name order by sum(oi.quantity) desc limit 3;

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: ☐

avg_order_value
36250.000000

Result 65 x

Output

Action Output

#	Time	Action	Message
✓ 146	12:18:26	select c.customer_name,count(o.order_id) from customers as c join orders as o on c.customer_id=o.c...	3 row(s) returned
✓ 147	12:18:36	select sum(p.amount)/count(distinct o.order_id) as avg_order_value from payments as p join orders as ...	1 row(s) returned



more subset (e... customer relationship managem... artifact artifact pizzasales customer\* SQL File 45\* SQL File 46\*

Limit to 500 rows

```

83 on p.order_id=o.order_id;
84 #Top 3 highest selling products (by quantity)
85 • select p.product_name,sum(oi.quantity) as total_qty from products as p join order_items as oi
86 on p.product_id=oi.product_id group by p.product_name order by sum(oi.quantity) desc limit 3;
87 #Find customers who placed more than 1 order
88 • select c.customer_name, count(distinct o.order_id) as unique_orders from customers as c join orders as o
89 on c.customer_id=o.customer_id group by c.customer_name having count(distinct o.order_id)>1;
90 #Find monthly revenue trend
91
92 #Identify customers who never placed an order

```

Result Grid Filter Rows: Export: Wrap Cell Content: Fetch rows:

	product_name	total_qty
▶	Headphones	5
	iPhone 14	1
	Laptop	1

Result 66 x

Output

Action Output

#	Time	Action	Message
147	12:18:36	select sum(p.amount)/count(distinct o.order_id) as avg_order_value from payments as p join orders as ...	1 row(s) returned
		select sum(p.amount)/count(distinct o.order_id) as avg_order_value from payments as p join orders as ...	3 row(s) returned

SQL File 45\* SQL File 46\* ecommerce sales

Limit to 500 rows

```

83 on p.order_id=o.order_id;
84 #Top 3 highest selling products (by quantity)
85 • select p.product_name,sum(oi.quantity) as total_qty from products as p join order_items as oi
86 on p.product_id=oi.product_id group by p.product_name order by sum(oi.quantity) desc limit 3;
87 #Find customers who placed more than 1 order
88 • select c.customer_name, count(distinct o.order_id) as unique_orders from customers as c join orders as o
89 on c.customer_id=o.customer_id group by c.customer_name having count(distinct o.order_id)>1;
90
91 #Identify customers who never placed an order
92 • select customer name from customers join orders on customers.customer_id=orders.customer_id where

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: ☐

	customer_name	unique_orders
▶	Amit Sharma	2

Result 67 x

Output

Action Output

#	Time	Action	Message
✓ 148	12:18:47	select p.product_name,sum(oi.quantity) as total_qty from products as p join order_items as oi on p.pro...	3 row(s) returned
✓ 149	12:18:56	select c.customer_name, count(distinct o.order_id) as unique_orders from customers as c join orders a...	1 row(s) returned



```

on c.customer_id=o.customer_id group by c.customer_name having count(distinct o.order_id)>1;
#Identify customers who never placed an order
• select customer_name from customers join orders on customers.customer_id=orders.customer_id where
orders.order_id is null;
#Find the most popular product category
• select p.category from products as p join order_items as oi on p.product_id=oi.product_id
order by oi.quantity desc limit 1;
#Rank customers based on total spending (use RANK())
• select c.customer_name, sum(p.amount) as total_spending,rank() over(order by sum(p.amount) desc) as
spending_rank from customers as c join orders as o on c.customer_id=o.customer_id join payments as p

```

ult Grid | Filter Rows: | Export: | Wrap Cell Content: |

customer\_name

ult 68 x

put

Action Output

# Time Action

149 12:18:56 select c.customer\_name, count(distinct o.order\_id) as unique\_orders from customers as c join orders a... 1 row(s) returned

0 row(s) returned

relationship managem... artifact artifact pizzasales customer\* SQL File 45\* SQL File 46\*

Limit to 500 rows

```

92 orders.order_id is null;
93 #Find the most popular product category
94 • select p.category from products as p join order_items as oi on p.product_id=oi.product_id
95 order by oi.quantity desc limit 1;
96 #Rank customers based on total spending (use RANK())
97 • select c.customer_name, sum(p.amount) as total_spending,rank() over(order by sum(p.amount) desc) as
98 spending_rank from customers as c join orders as o on c.customer_id =o.customer_id join payments as p
99 on o.order_id=p.order_id group by c.customer_name;
100 #Find repeat customers
101 • select c.customer_name,count(distinct o.order_id) as orders placed from customers as c join orders

```

Result Grid

Filter Rows: Export: Wrap Cell Content: Fetch rows:

category
Accessories

Result 69 x

Output

Action Output

#	Time	Action	Message
✓ 150	12:19:16	select customer_name from customers join orders on customers.customer_id=orders.customer_id wher...	0 row(s) returned
✓ 151	12:19:25	select p.category from products as p join order_items as oi on p.product_id=oi.product_id order by oi.q...	1 row(s) returned



```

92 orders.order_id is null;
93 #Find the most popular product category
94 • select p.category from products as p join order_items as oi on p.product_id=oi.product_id
95 order by oi.quantity desc limit 1;
96 #Rank customers based on total spending (use RANK())
97 • select c.customer_name, sum(p.amount) as total_spending,rank() over(order by sum(p.amount) desc) as
98 spending_rank from customers as c join orders as o on c.customer_id =o.customer_id join payments as p
99 on o.order_id=p.order_id group by c.customer_name;
100 #Find repeat customers
101 • select c.customer_name,count(distinct o.order_id) as orders placed from customers as c join orders

```

Result Grid Filter Rows: Export: Wrap Cell Content:

	customer_name	total_spending	spending_rank
▶	Amit Sharma	79000.00	1
	Kirti Mittal	60000.00	2
	Rahul Verma	6000.00	3

Result 70 x

Output

Action Output

#	Time	Action	Message
✓ 151	12:19:25	select p.category from products as p join order_items as oi on p.product_id=oi.product_id order by oi.q...	1 row(s) returned
✓ 152	12:19:35	select c.customer_name, sum(p.amount) as total_spending,rank() over(order by sum(p.amount) desc) ...	3 row(s) returned

17°C  
Sunny

Search

SQL File 45\* SQL File 46\* ecomm

Limit to 500 rows

```

98  spending_rank from customers as c join orders as o on c.customer_id =o.customer_id join payments as p
99  on o.order_id=p.order_id group by c.customer_name;
100 #Find repeat customers
101 • select c.customer_name,count(distinct o.order_id) as orders_placed from customers as c join orders
102   as o on c.customer_id=o.customer_id group by c.customer_name having count(distinct o.order_id)>1;
103 #Identify orders where payment amount ≠ calculated order value
104 • select o.order_id,sum(oi.quantity*p.price) as order_value, sum(pay.amount) as payment_amount from
105   orders as o join order_items as oi on o.order_id=oi.order_id join products as p on
106   oi.product_id=p.product_id join payments as pay on o.order_id=pay.order_id group by o.order_id having
107   sum(oi.quantity*p.price)≠ sum(pay.amount);

```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	customer_name	orders_placed
▶	Amit Sharma	2

Result 71 x

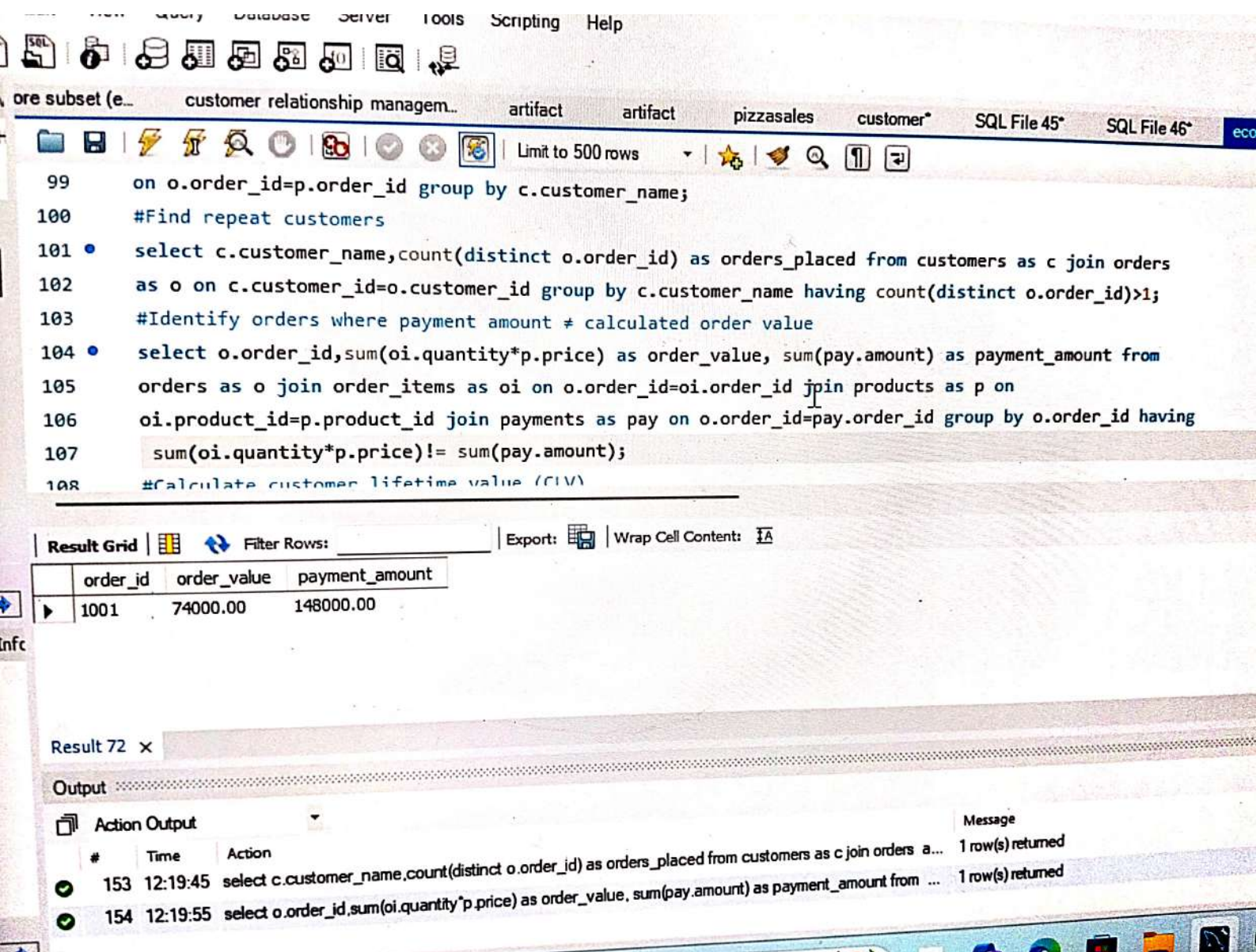
Output



Action Output

#	Time	Action	Message
✓ 152	12:19:35	select c.customer_name, sum(p.amount) as total_spending,rank() over(order by sum(p.amount) desc) ...	3 row(s) returned
✓ 153	12:19:45	select c.customer_name,count(distinct o.order_id) as orders_placed from customers as c join orders a...	1 row(s) returned





File Edit View Query Database Server Tools Scripting Help



Nav ore subset (e... customer relationship managem... artifact artifact pizzasales customer\* SQL File 45\* SQL File 46\* ecomm



Limit to 500 rows

```
103 #Identify orders where payment amount != calculated order value
104 • select o.order_id,sum(oi.quantity*p.price) as order_value, sum(pay.amount) as payment_amount from
105 orders as o join order_items as oi on o.order_id=oi.order_id join products as p on
106 oi.product_id=p.product_id join payments as pay on o.order_id=pay.order_id group by o.order_id having
107 sum(oi.quantity*p.price)!= sum(pay.amount);
108 #Calculate customer lifetime value (CLV)
109 • select c.customer_id,c.customer_name,sum(p.amount) as customer_lifetime_value from customers as c
110 join orders as o on c.customer_id=o.customer_id join payments as p on o.order_id=p.order_id group by
111 c.customer_id,c.customer_name order by sum(p.amount) desc;
112 #Get the second highest revenue-generating product
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: IA

	customer_id	customer_name	customer_lifetime_value
▶	1	Amit Sharma	79000.00
	2	Kirti Mittal	60000.00
	3	Rahul Verma	6000.00

Result 73 x

Output

Action Output

#	Time	Action	Message
✓ 154	12:19:55	select o.order_id,sum(oi.quantity*p.price) as order_value, sum(pay.amount) as payment_amount from ...	1 row(s) returned
✓ 155	12:20:06	select c.customer_id,c.customer_name,sum(p.amount) as customer_lifetime_value from customers as ...	3 row(s) returned



Edit View Query Database Server Tools Scripting Help



ore subset (e... customer relationship managem...

artifact

artifact

pizzasales

customer\*

SQL File 45\*

SQL File 46\*

ecommerce sa



Limit to 500 rows

```
106 oi.product_id=p.product_id join payments as pay on o.order_id=pay.order_id group by o.order_id having
107 sum(oi.quantity*p.price)!= sum(pay.amount);
108 #Calculate customer lifetime value (CLV)
109 • select c.customer_id,c.customer_name,sum(p.amount) as customer_lifetime_value from customers as c
110 join orders as o on c.customer_id=o.customer_id join payments as p on o.order_id=p.order_id group by
111 c.customer_id,c.customer_name order by sum(p.amount) desc;
112 #Get the second highest revenue-generating product
113 • select p.product_id,p.product_name,sum(oi.quantity*p.price) as total_revenue from products as p
114 join order_items as oi on p.product_id=oi.product_id group by p.product_id,p.product_name limit 1 offset 1;
115
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

	product_id	product_name	total_revenue
▶	103	Headphones	10000.00

Result 74 x

Output

Action Output

#	Time	Action	Message
✓ 155	12:20:06	select c.customer_id,c.customer_name,sum(p.amount) as customer_lifetime_value from customers as ...	3 row(s) returned
✓ 156	12:20:16	select p.product_id,p.product_name,sum(oi.quantity*p.price) as total_revenue from products as p join ...	1 row(s) returned