

```
73 • select product_name from products where category='Electronics'  
74 #Total revenue generated
```

Result Grid



Filter Rows:

Export:



Wrap Cell Content

	customer_name
▶	Kirti Mittal

customers 58 X

Output

Action Output

Time Action

- 139 12:00:51 select p.product_id,p.product_name,sum(oi.quantity*p.price) as total_revenue from products p inner join order_items oi on p.product_id=oi.product_id where p.category='Electronics' group by p.product_id,p.product_name
- 140 12:17:07 select customer_name from customers where city='Jaipur' LIMIT 0, 500

File Edit View Insert Cell Tools Help

```
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
Info	Laptop

SQL SQL Databases Tables Reports Folders Search Help

Nav more subset (e... customer relationship management artifact artifact pizzasales customer* SQL File 45*

9CH

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
on c.customer_id=o.customer_id group by c.customer_name;
80 #Find average order value
81 • select sum(p.amount)/count(distinct o.order_id) as avg_order_value from payments as p join o
on p.order_id=o.order_id;

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

sum(amount)
145000.00

Info

Result 62 ×

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

customer relationship managem... artifact artifact pizzasales customer* SQL File 45* SQL File 4

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 o 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

customer relationship management artifact artifact pizzasales customer SQL File 45° SQL File 46° ecommerce

```

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

#	Time	Action	Message
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

SQL Database Server Tools Scripting Help

customer relationship management artifact artifact pizzasales customer* SQL File 45* SQL File 46*

```
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

instance MySQL 8.0 X

Edit View Query Database Server Tools Scripting Help

customer relationship management artifact artifact pizzasales customer* SQL File 45* SQL File 46*

```

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 o on p.order_id=o.order_id as total_qty from products as p join order_items as oi on p.product_id=oi.product_id group by p.product_name order by sum(oi.quantity) desc limit 3;	1 row(s) returned

ore subset (e... customer relationship managem... artifact artifact pizzasales customer* SQL File 45* SQL File 46* ecommerce sales

```

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	

File Database Server Tools Scripting Help

customer relationship management artifact artifact pizzasales customer SQL File 45* SQL File 46*

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 on o.order_id=p.order_id group by c.customer_name, o.order_id having count(o.order_id)>1;

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

customer_name
customer_name

Action Output

#	Time	Action	Message
149	12:18:56	select c.customer_name, count(distinct o.order_id) as unique_orders from customers as c join orders as o on c.customer_id=o.customer_id where c.customer_name='John Doe' group by c.customer_name, o.order_id having count(o.order_id)>1;	1 row(s) returned

Relationship manager... artifact artifact pizzasales customer* SQL File 45* SQL File 46*

```
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 where...	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

Navigation pane: customer relationship management... artifact artifact pizzasales customer* SQL File 45* SQL File 46* ecommerce

```

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 ×

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

SOL Databases Tables Artifacts Reports Help

customer relationship management artifact artifact pizzasales customer SQL File 45* SQL File 46* ecomm

```

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 ×

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

SQL Query Database Server Tools Scripting Help

customer relationship management artifact artifact pizzasales customer* SQL File 45* SQL File 46*

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);
108 #Calculate customer lifetime value (CLV)

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

order_id	order_value	payment_amount
1001	74000.00	148000.00

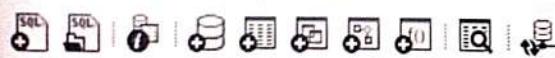
Result 72 X

Output

Action Output

#	Time	Action	Message
153	12:19:45	select c.customer_name,count(distinct o.order_id) as orders_placed from customers as c join orders a... 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 1 row(s) returned	1 row(s) returned

File Edit View Query Database Server Tools Scripting Help



Navigation pane: customer relationship management... artifact artifact pizzasales customer* SQL File 45* SQL File 46*

Query Editor: ecommerce

```
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:

	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

```
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		
product_id	product_name	total_revenue
103	Headphones	10000.00

Result 74 ×

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