

The screenshot shows the PostgreSQL Object Explorer on the left, with the 'customer2' table selected. The Query Editor on the right displays a SQL query: `SELECT cus_id, customer_name FROM public.customer2;`. Below the query, the 'Data Output' tab shows the results of the query in a table format:

	cus_id [PK] integer	customer_name character
1	1	john
2	2	smith
3	3	ricky
4	4	walsh
5	5	stefen
6	6	fleming
7	7	thomson
8	8	david

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testing/postgres@PostgreSQL 16

Query

Query History

Scratch Pad

1 SELECT product\_id, product\_name, "product-price"

2 FROM public.product2;

Data Output

Messages

Notifications

SQL

	product_id [PK] integer	product_name character	product-price integer
2	2	dvd	3600
3	3	washing machine	7600
4	4	computer	35900
5	5	ipod	3210
6	6	panasonic phone	2100
7	7	chair	360
8	8	table	490
9	9	sound system	12050
10	10	home theatre	19350

Total rows: 10 of 10    Query complete 00:00:00.595

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Query

```
1 SELECT order_id, cus_id, ordered_date
2 FROM public.order2;
```

Data Output

	order_id [PK] integer	cus_id integer	ordered_date date
2		2	2006-02-10
3		3	2005-03-20
4		4	2006-03-10
5		5	2007-04-05
6		6	2006-12-13
7		7	2008-03-13
8		8	2004-11-29
9		9	2005-01-13
10		10	2007-12-12

Total rows: 10 of 10 Query complete 00:00:03.340

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Query

```
1 SELECT order_detail_id, order_id, product_id, qty
2 FROM public.order_details2;
```

Data Output

	order_detail_id [PK] integer	order_id integer	product_id integer	qty integer
4	4	3	7	10
5	5	3	4	2
6	6	3	5	4
7	7	4	3	1
8	8	5	1	2
9	9	5	2	1
10	10	6	5	1
11	11	7	6	1
12	12	8	10	2
13	13	8	3	1
14	14	9	10	3
15	15	10	1	1

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Query Query History

1 SELECT c.cus\_id,c.customer\_name,p.product\_name from customer2 c  
2 join order2 o on c.cus\_id=o.cus\_id join order\_details2 od on  
3 o.order\_id=od.order\_id join product2 p on  
4 od.product\_id=p.product\_id;

Scratch Pad X

Data Output Messages Notifications

cus\_id integer customer\_name character product\_name character

1 4 walsh ... washing machine ...

2 4 walsh ... dvd

3 2 smith ... home theatre ...

4 3 ricky chair

5 3 ricky computer ...

6 3 ricky ipod

7 3 ricky washing machine ...

8 1 john television

9 1 john dvd

10 7 thomson ipod

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No limit

Query Query History

Scratch Pad X

```
1 SELECT c.cus_id,c.customer_name,p.product_name from customer2 c
2   join order2 o on c.cus_id=o.cus_id join order_details2 od on
3   o.order_id=od.order_id join product2 p on
4   od.product_id=p.product_id;
```

Data Output Messages Notifications

	cus_id	customer_name	product_name
	integer	character	character
11	6	fleming	panasonic phone
12	6	fleming	home theatre
13	6	fleming	washing machine
14	5	stefen	home theatre
15	1	john	television

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Query

Query History

Scratch Pad

1 SELECT o.order\_id,o.ordered\_date,sum(p.product\_price\*od.qty) as

2 "total price" from order2 o join order\_details2 od on

3 o.order\_id=od.order\_id join product2 p on

4 od.product\_id=p.product\_id group by o.order\_id,o.ordered\_date;

Data Output

Messages

Notifications

SQL

	order_id [PK] integer	ordered_date date	total price bigint
1	10	2007-12-12	19000
2	2	2006-02-10	38700
3	5	2007-04-05	41600
4	4	2006-03-10	7600
5	6	2006-12-13	3210

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Query Query History

```
1 SELECT o.order_id,o.ordered_date,sum(p.product_price*od.qty)as
2 "total price" from order2 o join order_details2 od on
3 o.order_id=od.order_id join product2 p on
4 od.product_id=p.product_id group by o.order_id,o.ordered_date;
```

Data Output Messages Notifications

	order_id [PK] integer	ordered_date date	total price bigint
6	9	2005-01-13	58050
7	3	2005-03-20	88240
8	8	2004-11-29	46300
9	7	2008-03-13	2100
10	1	2005-01-10	18400



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Query

Query History

Scratch Pad X

1 SELECT c.customer\_name from customer2 c left join order2 o on

2 c.cus\_id=o.cus\_id where o.order\_id is null;

Data Output

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customer\_name

character

1 david

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Query Query History

Scratch Pad X

1 select p.product\_id,p.product\_name,p.product\_price from

2 product2 p left join order\_details2 od on

3 p.product\_id=od.product\_id where od.order\_detail\_id is null;

Data Output Messages Notifications

SQL

	product_id [PK] integer	product_name character	product_price integer
1	8	table	490
2	9	sound system	12050

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Query Query History Scratch Pad X

```
1 select c.customer_name, sum(p.product_price*od.qty) as  
2 "total purchase amount" from customer2 c join order2 o on  
3 c.cus_id=o.cus_id join order_details2 od on o.order_id=  
4 od.order_id join product2 p on od.product_id=p.product_id  
5 group by c.customer_name;
```

Data Output Messages Notifications

	customer_name character	total purchase amount bigint
1	stefen	58050
2	thomson	3210
3	smith	38700
4	john	60600
5	fleming	48400
6	walsh	18400
7	ricky	95840

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Query

Query History

Scratch Pad X

1 select c.cus\_id,c.customer\_name,o.ordered\_date from customer2 c

2 join order2 o on c.cus\_id=o.cus\_id where o.ordered\_date=

3 (select MIN(ordered\_date)from order2) or o.ordered\_date=

4 (select MAX(ordered\_date)from order2);

Data Output

Messages

Notifications

SQL

	cus_id integer	customer_name character	ordered_date date
1	6	fleming	2004-11-29
2	6	fleming	2008-03-13

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testing/postgres@PostgreSQL 16

Query Query History

Scratch Pad X

```
1 with customerordercounts as(select cus_id,count(order_id)as
2 "ordercount" from order2 group by cus_id)select c.cus_id,
3 c.customer_name,co.ordercount from customer2 c join
4 customerordercounts co on c.cus_id=co.cus_id where
5 co.ordercount=(select max(ordercount) from customerordercounts);
```

Data Output Messages Notifications

SQL

	cus_id [PK] integer	customer_name character	ordercount bigint
1	3	ricky	2
2	6	fleming	2
3	1	john	2

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Query Query History Scratch Pad X

```
1 with maxpricedproduct as(select p.product_id,p.product_name,  
2 p.product_price from product2 p join order_details2 od on  
3 p.product_id=od.product_id)select product_id,product_name,  
4 product_price from maxpricedproduct where product_price=  
5 (select max(product_price) from maxpricedproduct);
```

Data Output Messages Notifications

	product_id [PK] integer	product_name character	product_price integer
1	4	computer	35900

Object Explorer

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testing/postgres@PostgreSQL 16

Query

Query History

Scratch Pad

1 with customerordercounts as(select cus\_id,extract(year from

2 ordered\_date)as "orderyear",count(order\_id)as ordercount from

3 order2 group by cus\_id,extract(year from ordered\_date)having

4 count(order\_id)>1)select distinct c.cus\_id,c.customer\_name from

5 customer2 c join customerordercounts co on c.cus\_id=co.cus\_id;

6

Data Output

Messages

Notifications

cus\_id

[PK] integer

customer\_name

character

1

1

john

Object Explorer

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Query

Query History

Scratch Pad

```
1 with monthlyordercounts as(select to_char(ordered_date,'month')as
2   ordermonth,count(order_id)as ordercount from order2 group by
3   to_char(ordered_date,'month'))select ordermonth from
4   monthlyordercounts where ordercount=(select max(ordercount)
5   from monthlyordercounts);
```

Data Output

Messages

Notifications

ordermonth

text

1

march