1.What are the names of all the countries in the country table?

Ans:

select country\_name from country;

2. What is the total number of customers in the customers table?

Ans:

select count(customer\_id) as no\_of\_customers from customers;

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3. What is the average age of customers who can receive marketing emails (can\_email is set to 'yes')?

Ans:

select avg(age) as avg\_age from customers where can\_email= 'yes';

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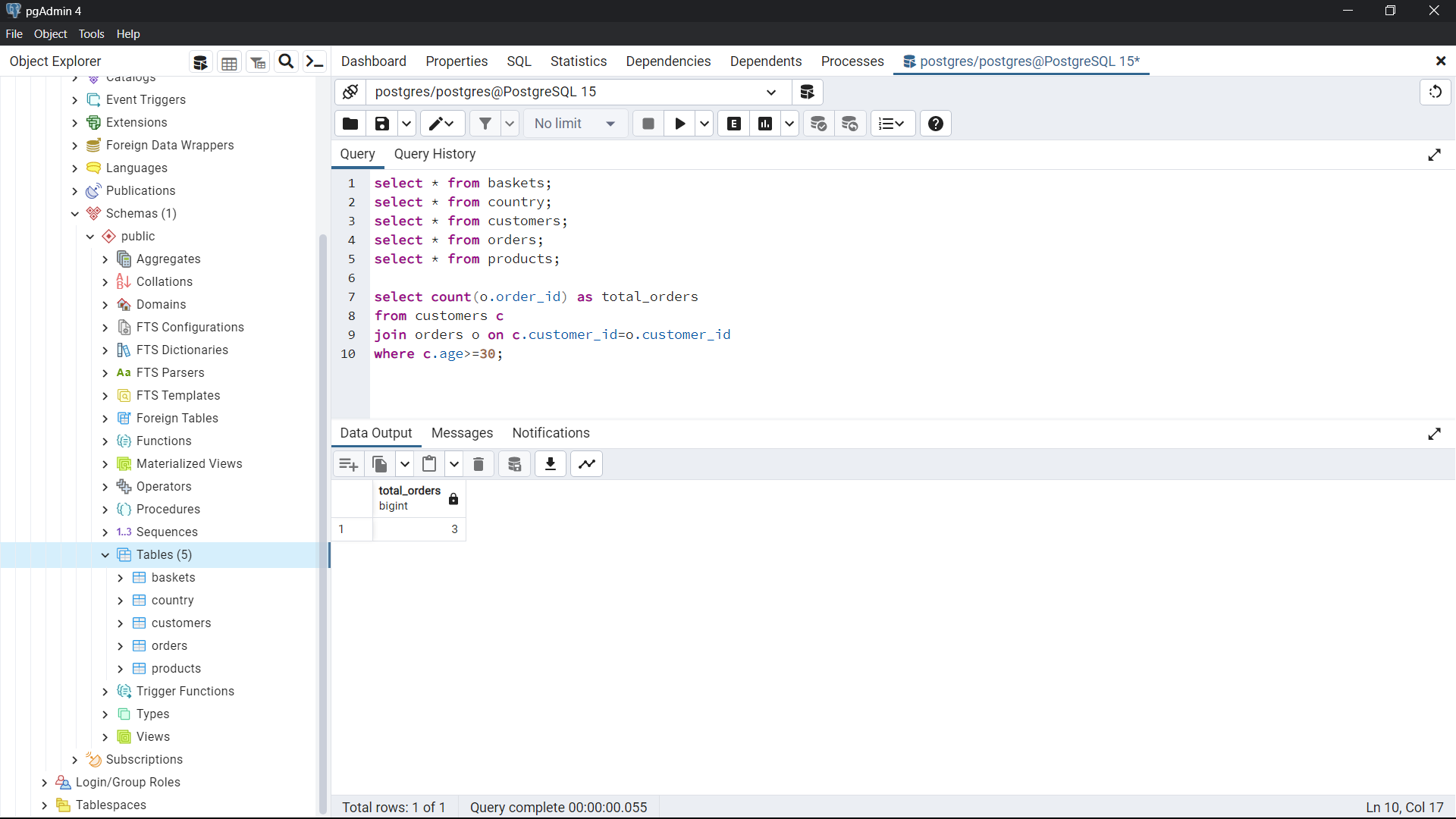
4. How many orders were made by customers aged 30 or older?

Ans:

select count(o.order\_id) as total\_orders

from customers c join orders o on c.customer\_id=o.customer\_id

where c.age>=30;



5. What is the total revenue generated by each product category?

Ans:

select p.category,sum(p.price) as total\_revenue

from baskets b

join products p on b.product\_id=p.product\_id

group by 1

order by 1 asc;

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6. What is the average price of products in the 'food' category?

Ans:

select category, avg(price) from products

where category='food'

group by 1

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7. How many orders were made in each sales channel (sales\_channel column) in the orders table?

Ans :

select sales\_channel, count(order\_id) as total\_orders

from orders

group by 1

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8.What is the date of the latest order made by a customer who can receive marketing emails?

Ans:

select o.date\_shop

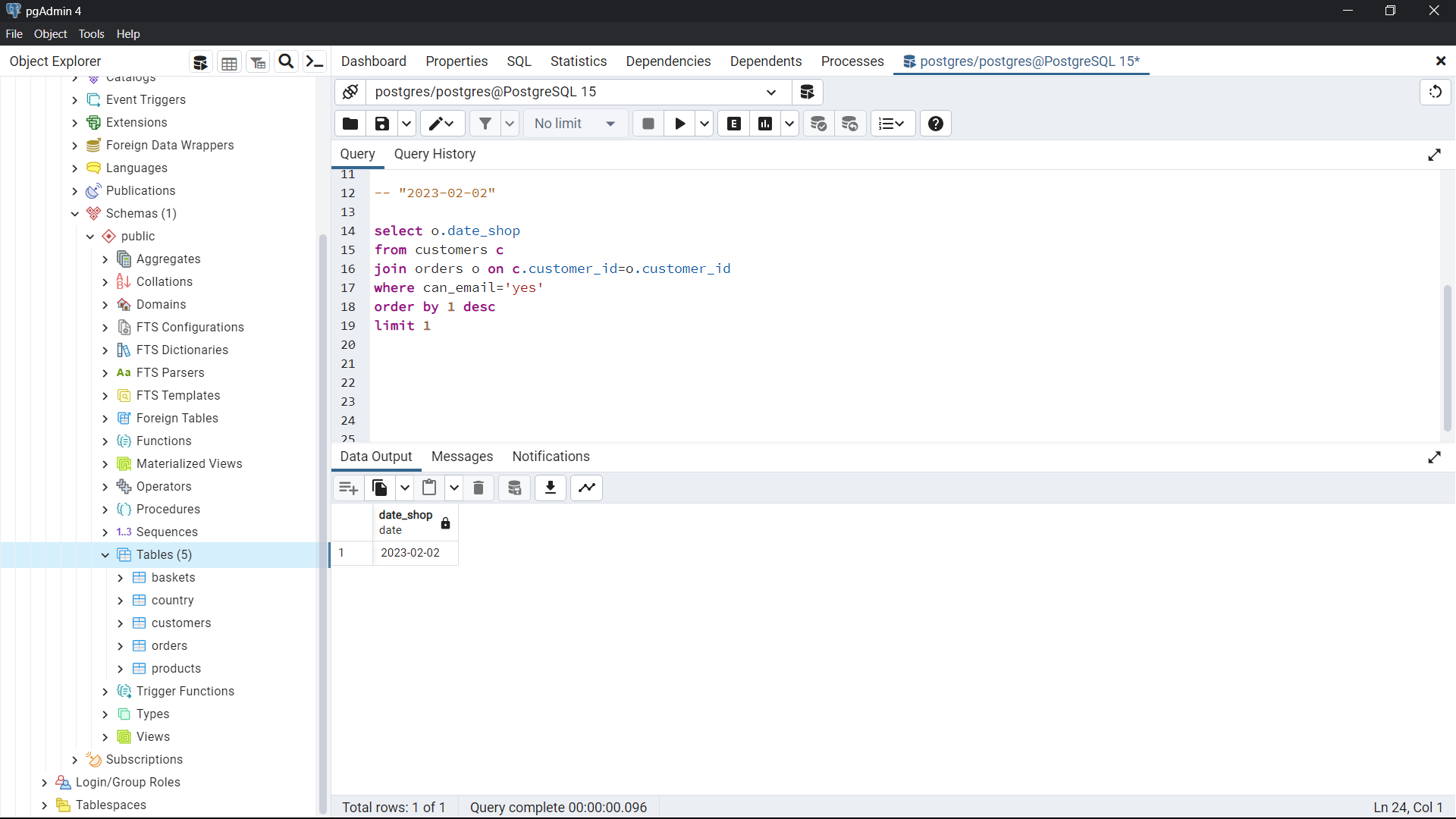
from customers c

join orders o on c.customer\_id=o.customer\_id

where can\_email='yes'

order by 1 desc

limit 1



9. What is the name of the country with the highest number of orders?

Ans: select o.country\_id,c.country\_name, count(o.order\_id) as total\_orders

from orders o

join country c on o.country\_id=c.country\_id

group by 1,2

order by 3 desc

limit 1

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10. What is the average age of customers who made orders in the 'vitamins' product category?

Ans: with cte1 as

(

select c.customer\_id, c.age

from products p

join baskets b on p.product\_id=b.product\_id

join orders o on b.order\_id=o.order\_id

join customers c on o.customer\_id=c.customer\_id

where category='vitamins'

group by 1)

select avg(age) as avg\_age\_cus from cte1

