

SQL Case Study



Challenge 3 - Customer Insights

Created By: SHRADDHA SHUKLA

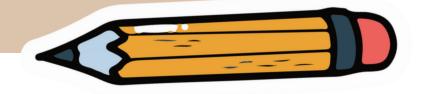




Introduction



- You are a Customer Insights Analyst for 'The General Store'
- Can you analyse the following tables to find out crucial information about your customers to provide to your marketing team?





Questions

- 1. What are the names of all the countries in the country table?
- 2. What is the total number of customers in the customers table?
- 3. What is the average age of customers who can receive marketing emails (can_email is set to 'yes')?
- 4. How many orders were made by customers aged 30 or older?
- 5. What is the total revenue generated by each product category?
- 6. What is the average price of products in the 'food' category?
- 7. How many orders were made in each sales channel (sales_channel column) in the orders table?
- 8.What is the date of the latest order made by a customer who can receive marketing emails?
- 9. What is the name of the country with the highest number of orders?
- 10. What is the average age of customers who made orders in the 'vitamins' product category?



Tables

baskets

	product_id
1	1
1	2
1	5
2	4
3	3
4	2
4	1
5	3
5	5
6	4
6	3
6	1
7	2
7	1
8	3
8	3

products

product_id	category	price
1	food	5.99
2	sports	12.49
3	vitamins	6.99
4	food	0.89
5	vitamins	15.99

country

country_id	country_name	head_office
1	UK	London
2	USA	New York
3	China	Beijing

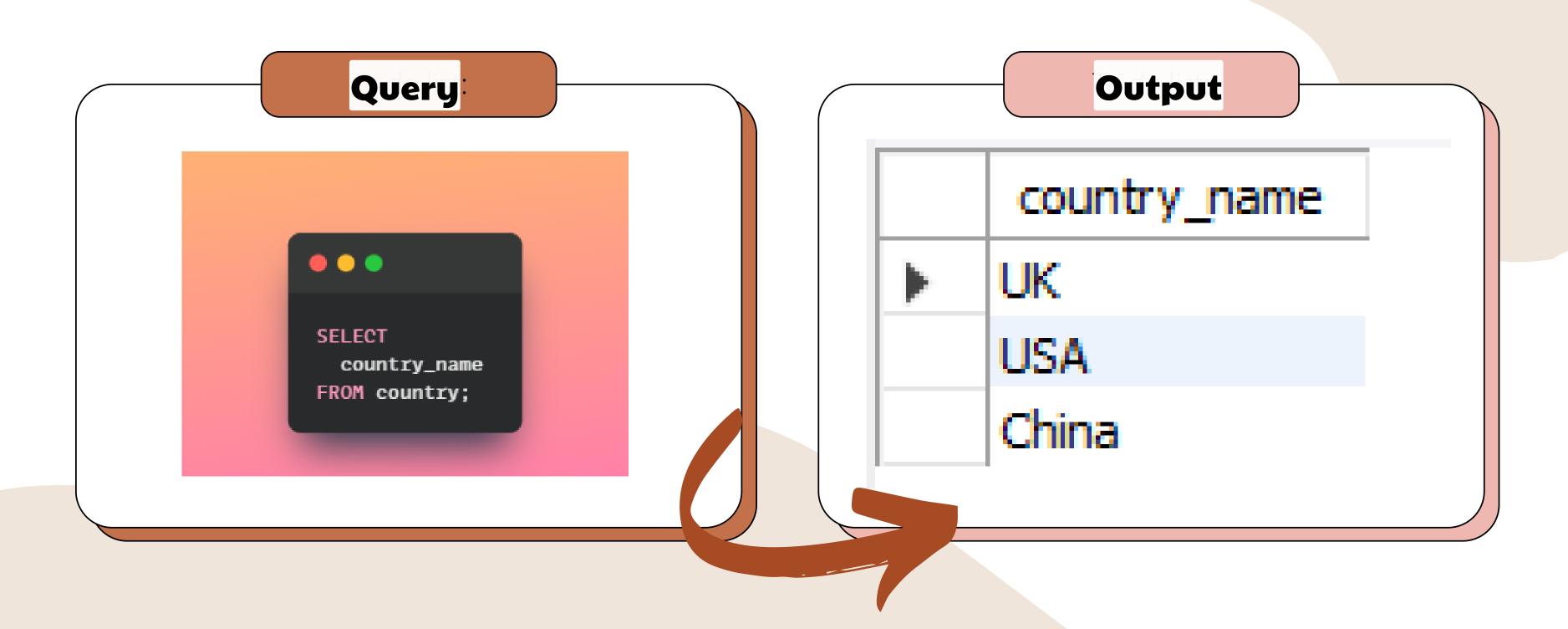
customers

customer_id	first_shop	age	rewards	can_email
1	2022-03-20	23	yes	no
2	2022-03-25	26	no	no
3	2022-04-06	32	no	no
4	2022-04-13	25	yes	yes
5	2022-04-22	49	yes	yes
6	2022-06-18	28	yes	no
7	2022-06-30	36	no	no
8	2022-07-04	37	yes	yes

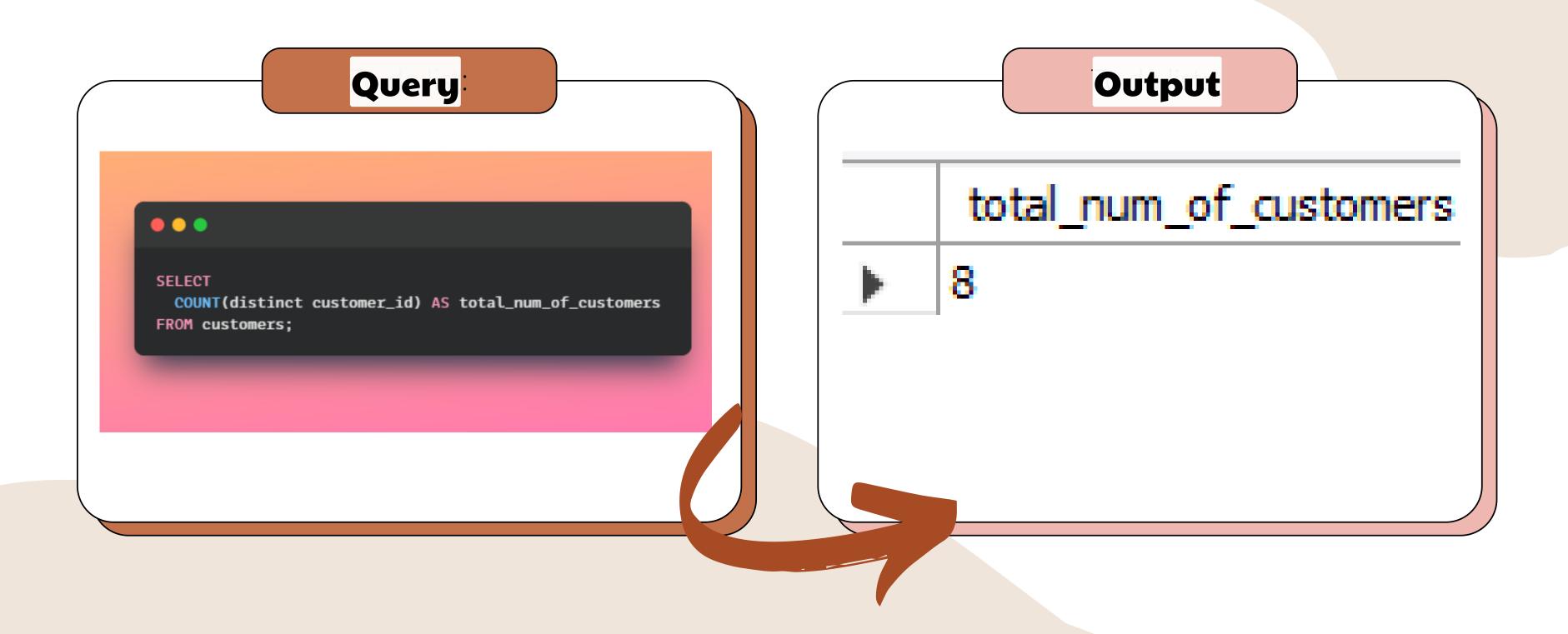
orders

order_id	customer_id	date_shop	sales_channel	country_id
1	1	2023-01-16	retail	1
2	4	2023-01-20	retail	1
3	2	2023-01-25	retail	2
4	3	2023-01-25	online	1
5	1	2023-01-28	retail	3
6	5	2023-02-02	online	1
7	6	2023-02-05	retail	1
8	3	2023-02-11	online	3

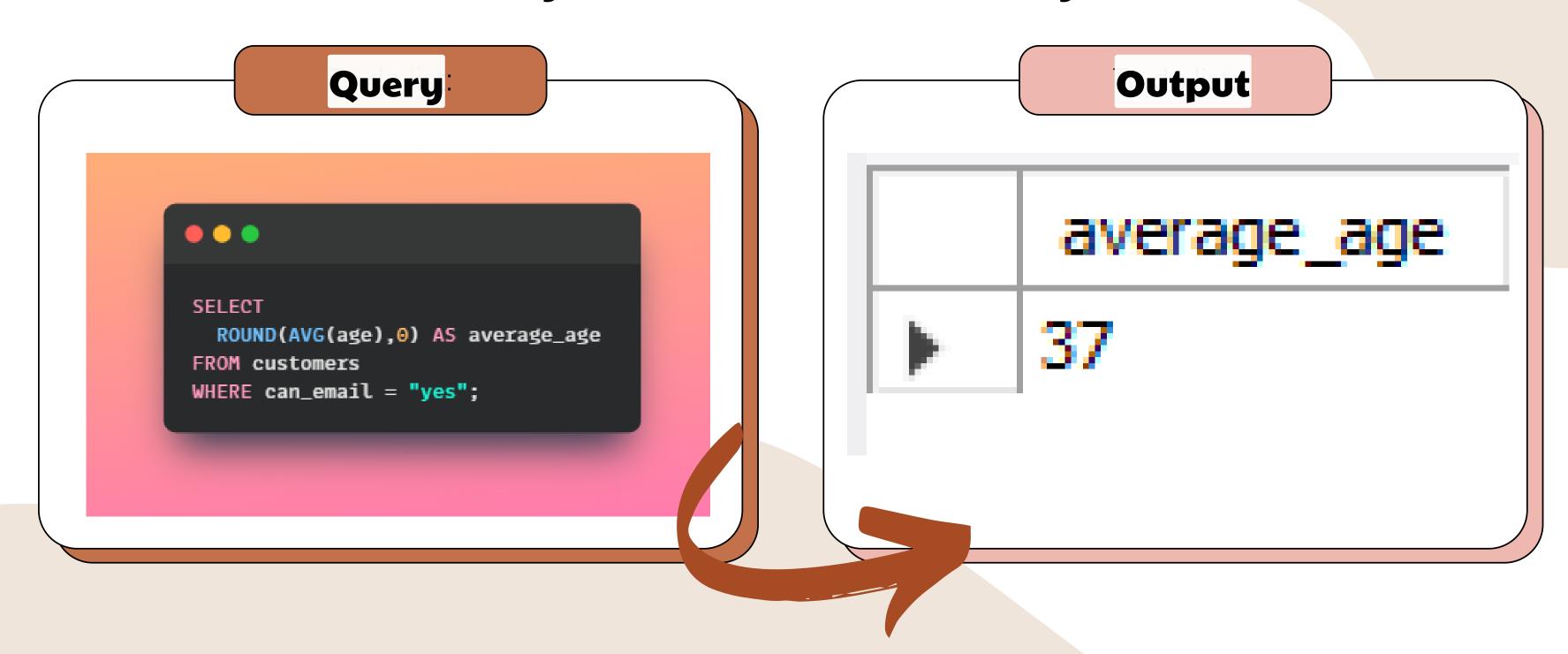
What are the names of all the countries in the country table?



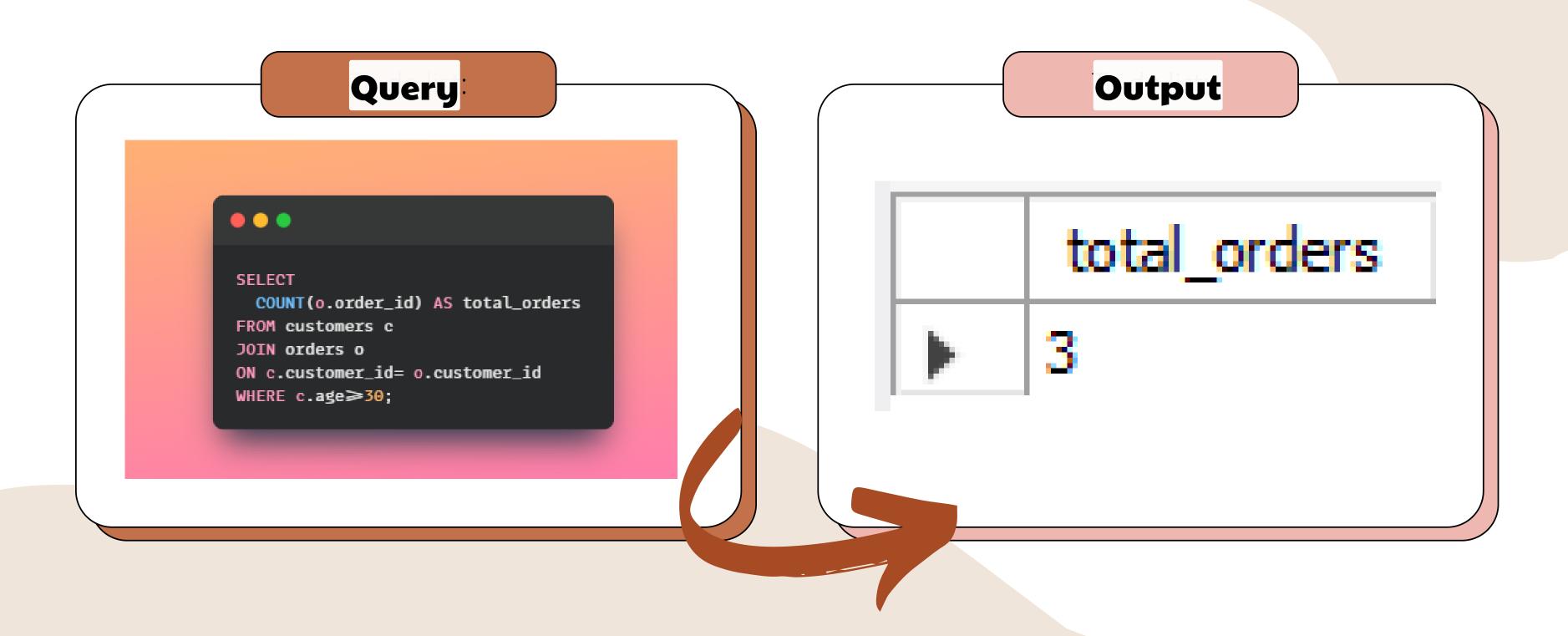
What is the total number of customers in the customers table?



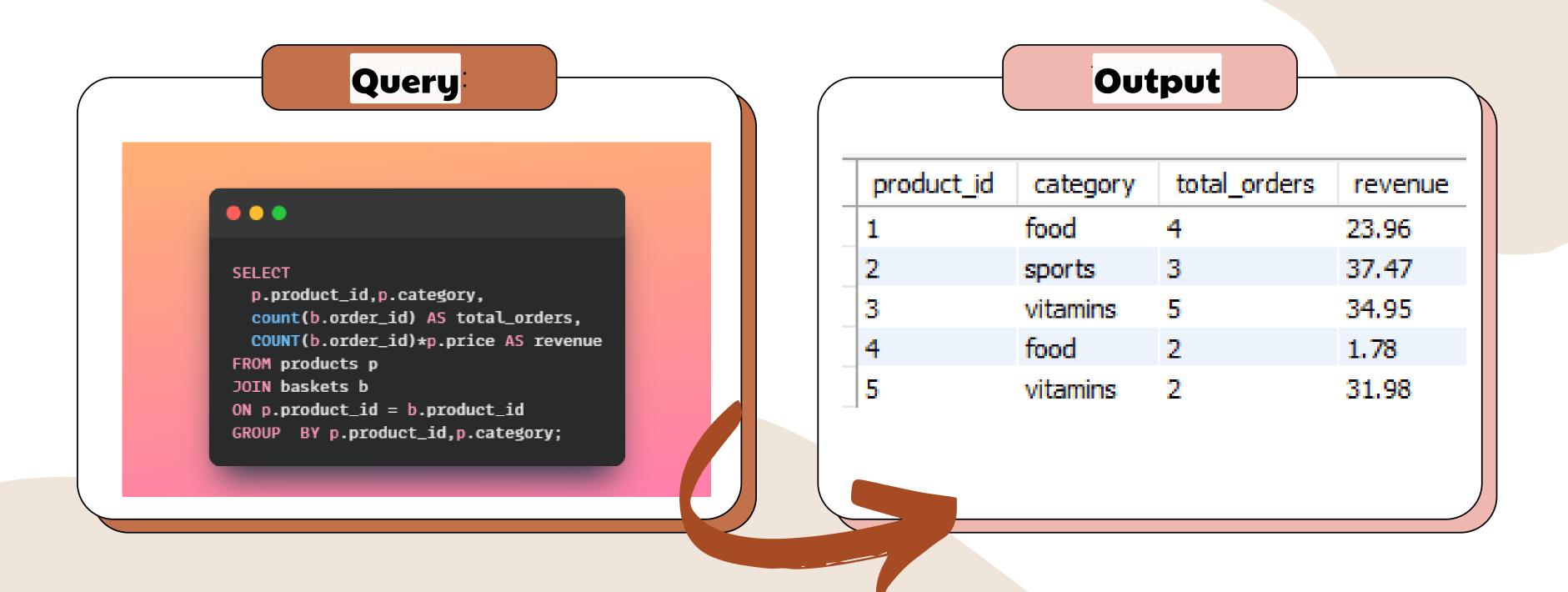
What is the average age of customers who can receive marketing emails (can_email is set to 'yes')?



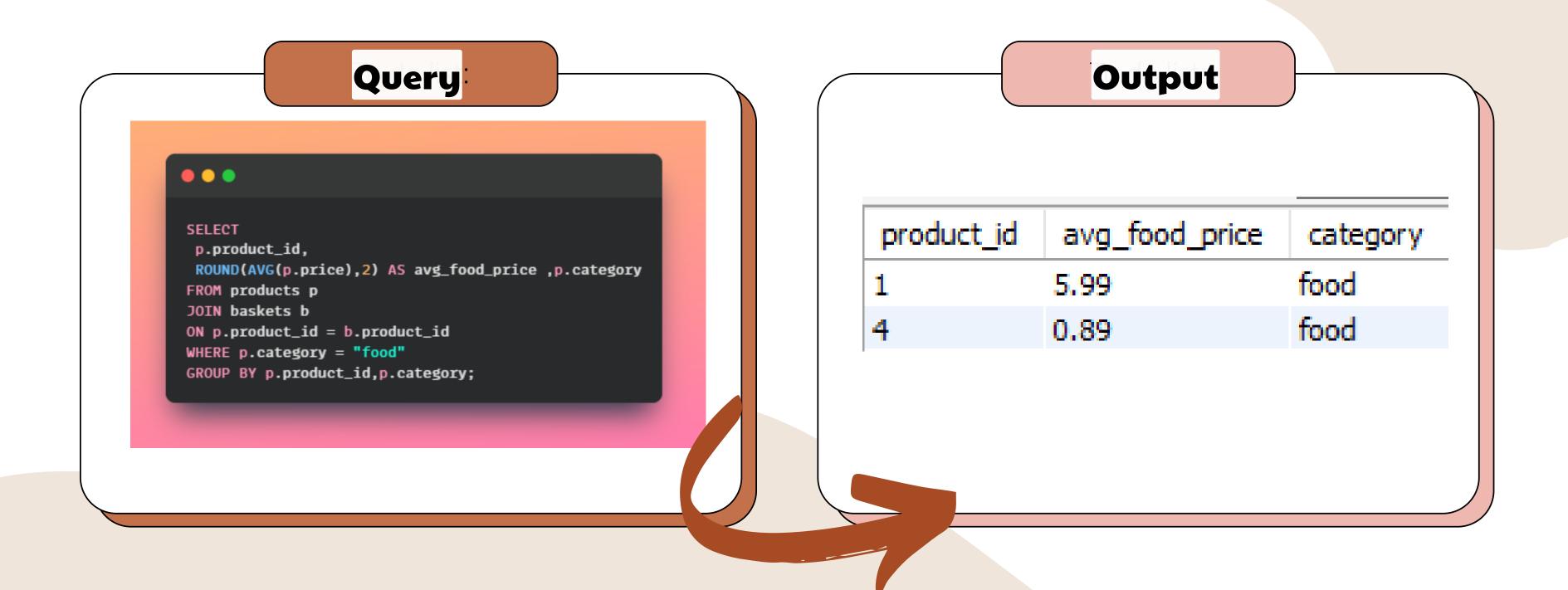
How many orders were made by customers aged 30 or older?



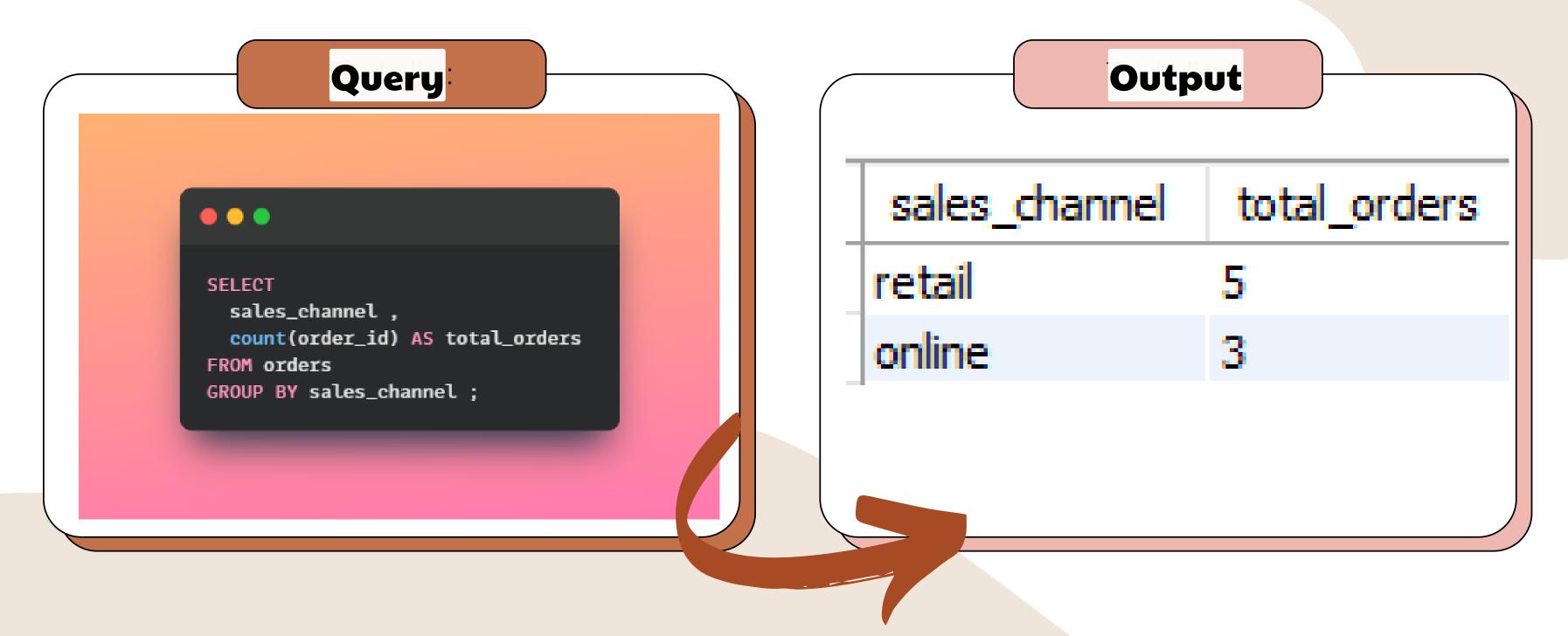
What is the total revenue generated by each product category?



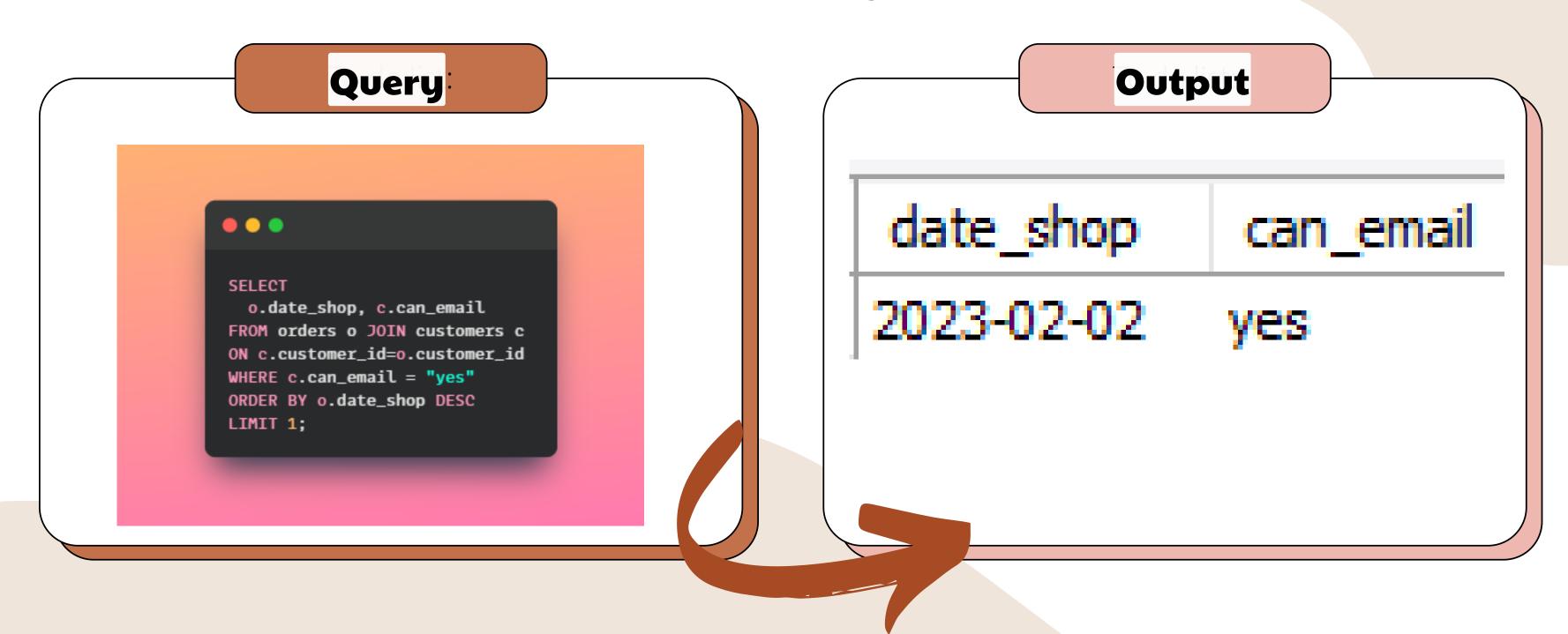
What is the average price of products in the 'food' category?



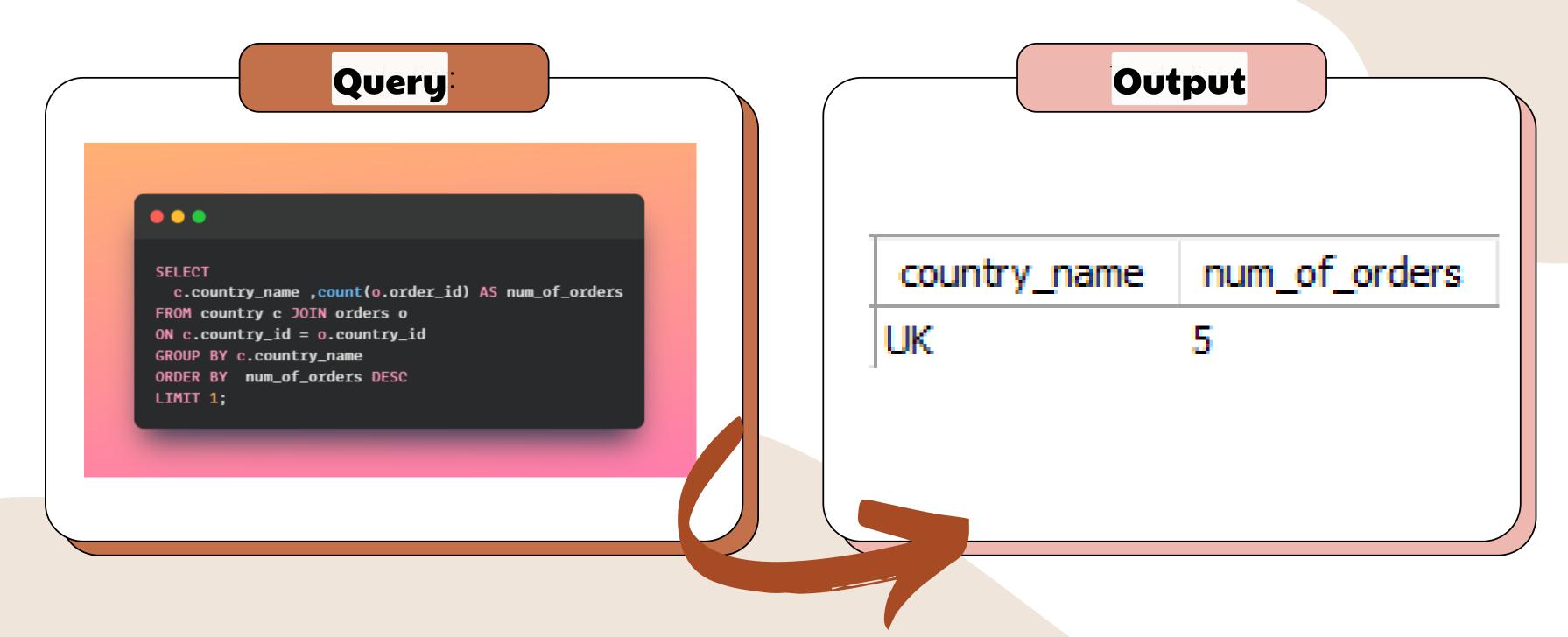
How many orders were made in each sales channel (sales_channel column) in the orders table?



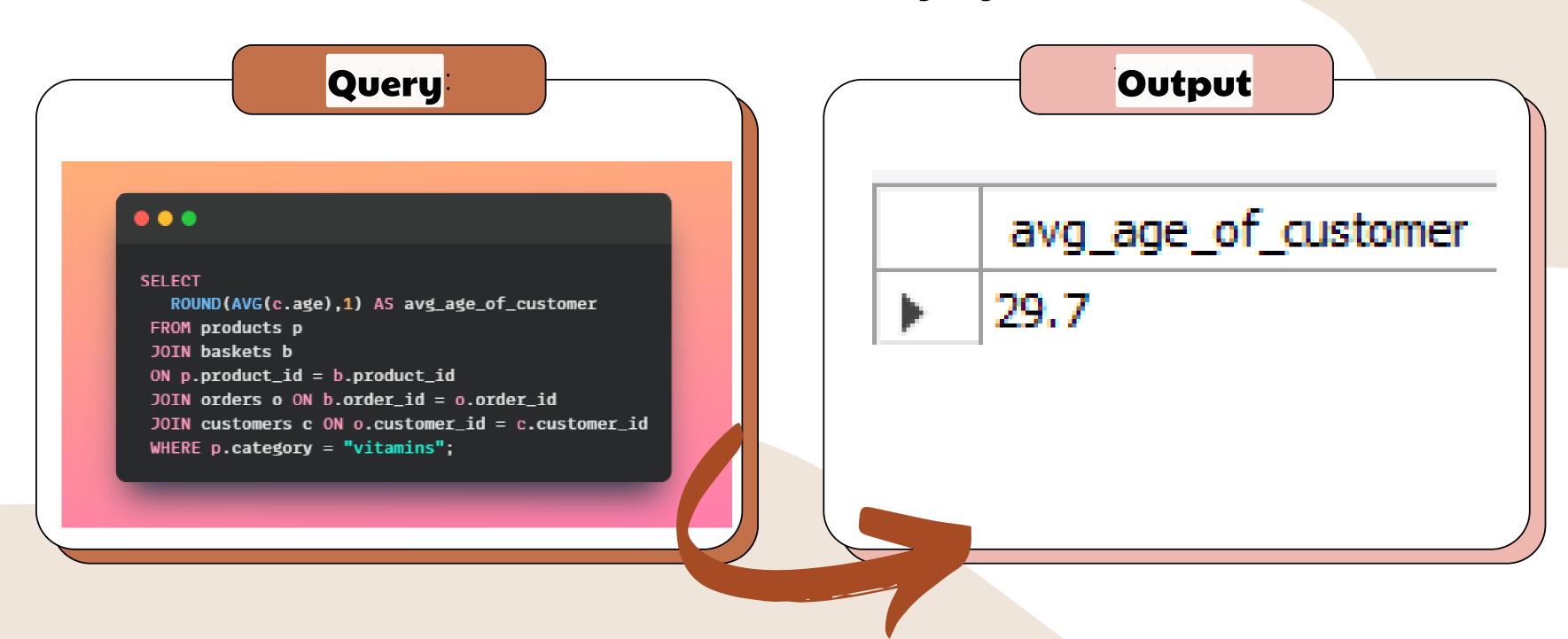
8.What is the date of the latest order made by a customer who can receive marketing emails?



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



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





Thank How







