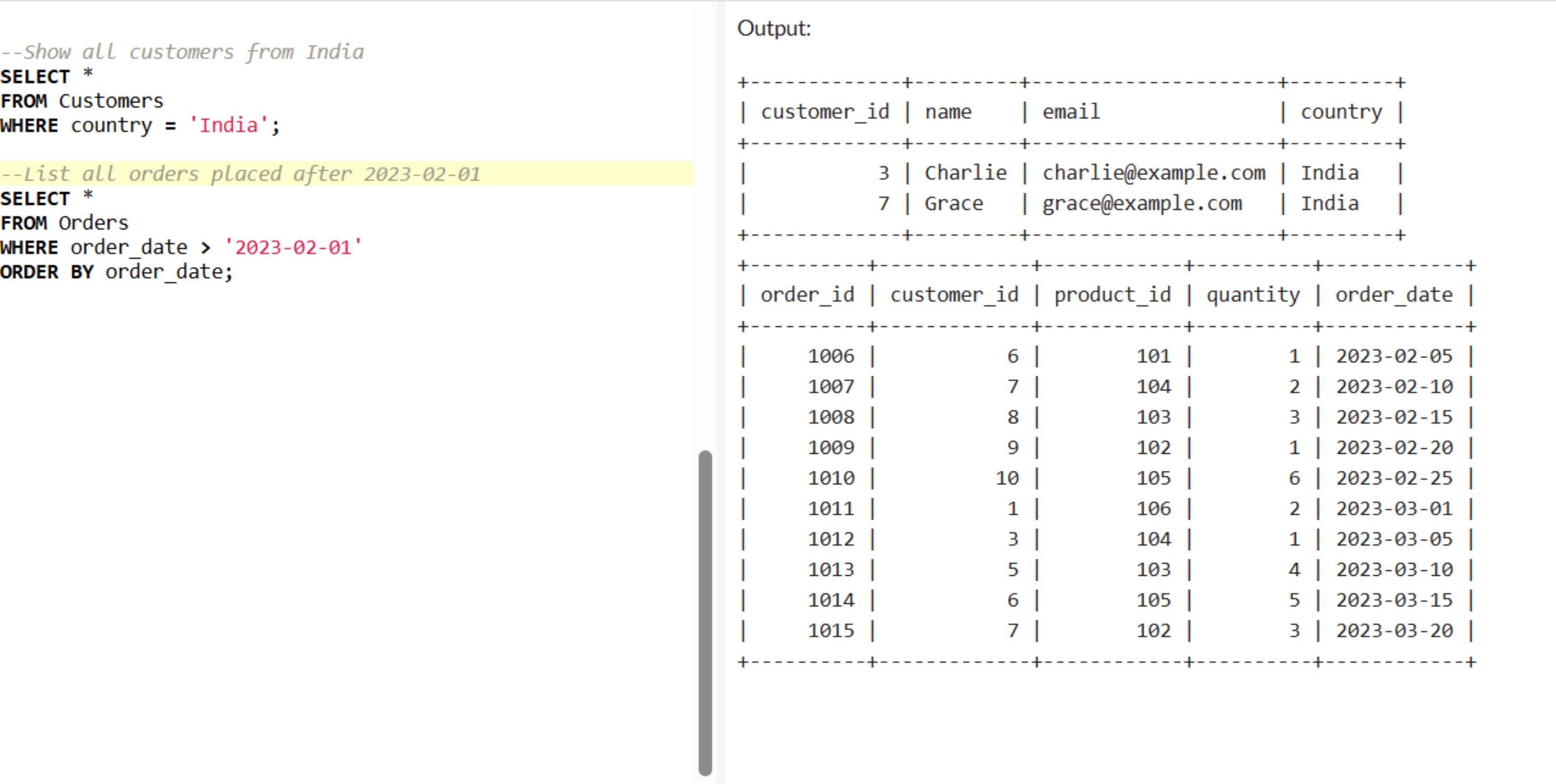
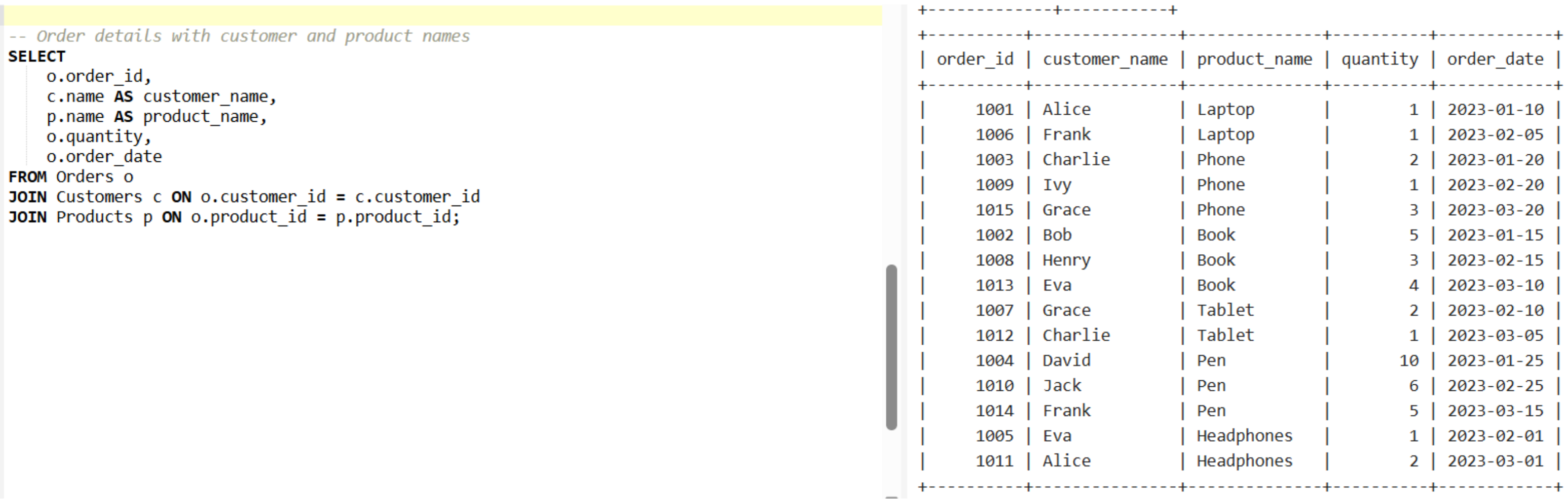


```sql
--Show all customers from India
SELECT *
FROM Customers
WHERE country = 'India';

--List all orders placed after 2023-02-01
SELECT *
FROM Orders
WHERE order_date > '2023-02-01'
ORDER BY order_date;
```

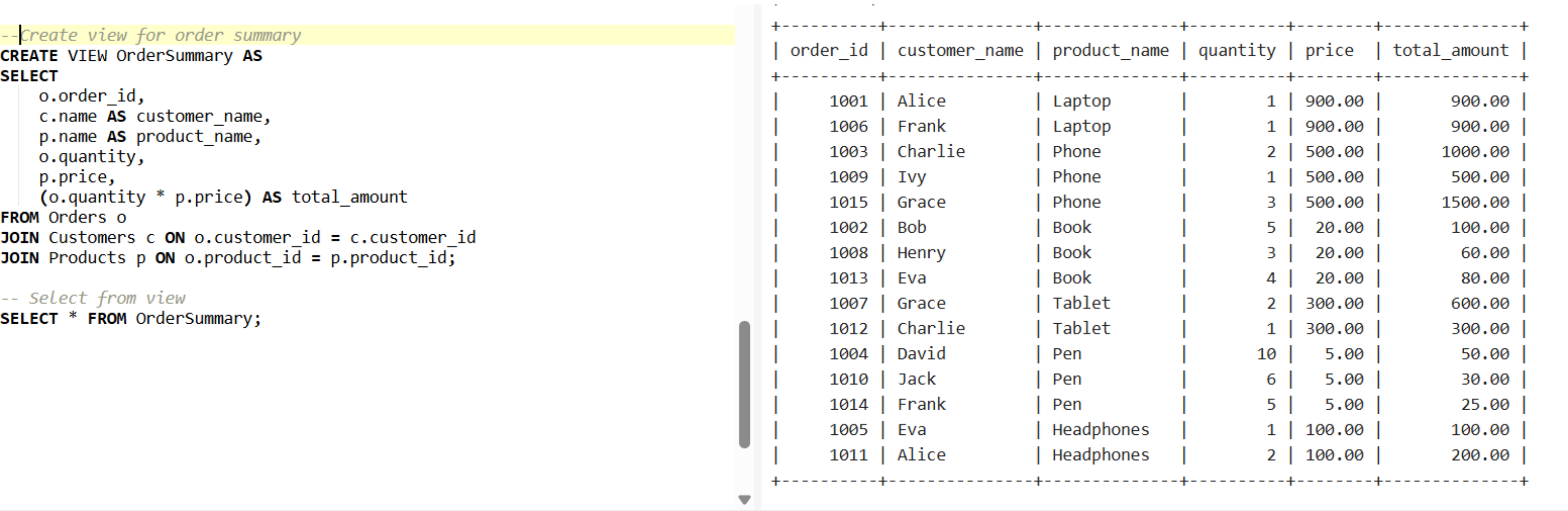
Output:

```
+-------------+---------+---------------------+---------+
| customer_id | name    | email               | country |
+-------------+---------+---------------------+---------+
|           3 | Charlie | charlie@example.com | India   |
|           7 | Grace   | grace@example.com   | India   |
+-------------+---------+---------------------+---------+
+----------+-------------+------------+----------+------------+
| order_id | customer_id | product_id | quantity | order_date |
+----------+-------------+------------+----------+------------+
|     1006 |           6 |        101 |        1 | 2023-02-05 |
|     1007 |           7 |        104 |        2 | 2023-02-10 |
|     1008 |           8 |        103 |        3 | 2023-02-15 |
|     1009 |           9 |        102 |        1 | 2023-02-20 |
|     1010 |          10 |        105 |        6 | 2023-02-25 |
|     1011 |           1 |        106 |        2 | 2023-03-01 |
|     1012 |           3 |        104 |        1 | 2023-03-05 |
|     1013 |           5 |        103 |        4 | 2023-03-10 |
|     1014 |           6 |        105 |        5 | 2023-03-15 |
|     1015 |           7 |        102 |        3 | 2023-03-20 |
+----------+-------------+------------+----------+------------+
```



```sql
-- Order details with customer and product names
SELECT
    o.order_id,
    c.name AS customer_name,
    p.name AS product_name,
    o.quantity,
    o.order_date
FROM Orders o
JOIN Customers c ON o.customer_id = c.customer_id
JOIN Products p ON o.product_id = p.product_id;
```

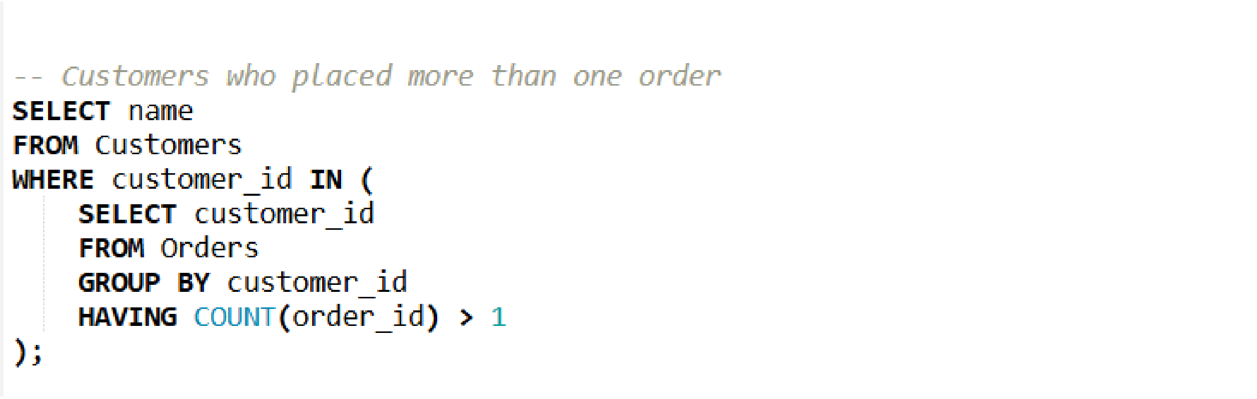
```
+-------------+-----------+
+----------+---------------+--------------+----------+------------+
| order_id | customer_name | product_name | quantity | order_date |
+----------+---------------+--------------+----------+------------+
|     1001 | Alice         | Laptop       |        1 | 2023-01-10 |
|     1006 | Frank         | Laptop       |        1 | 2023-02-05 |
|     1003 | Charlie       | Phone        |        2 | 2023-01-20 |
|     1009 | Ivy           | Phone        |        1 | 2023-02-20 |
|     1015 | Grace         | Phone        |        3 | 2023-03-20 |
|     1002 | Bob           | Book         |        5 | 2023-01-15 |
|     1008 | Henry         | Book         |        3 | 2023-02-15 |
|     1013 | Eva           | Book         |        4 | 2023-03-10 |
|     1007 | Grace         | Tablet       |        2 | 2023-02-10 |
|     1012 | Charlie       | Tablet       |        1 | 2023-03-05 |
|     1004 | David         | Pen          |       10 | 2023-01-25 |
|     1010 | Jack          | Pen          |        6 | 2023-02-25 |
|     1014 | Frank         | Pen          |        5 | 2023-03-15 |
|     1005 | Eva           | Headphones   |        1 | 2023-02-01 |
|     1011 | Alice         | Headphones   |        2 | 2023-03-01 |
+----------+---------------+--------------+----------+------------+
```



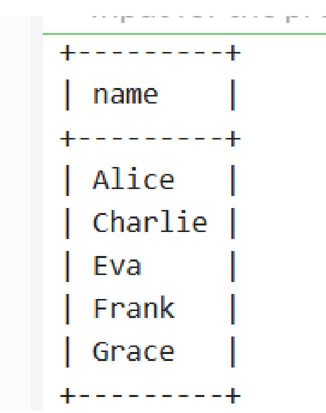
```sql
--Create view for order summary
CREATE VIEW OrderSummary AS
SELECT
    o.order_id,
    c.name AS customer_name,
    p.name AS product_name,
    o.quantity,
    p.price,
    (o.quantity * p.price) AS total_amount
FROM Orders o
JOIN Customers c ON o.customer_id = c.customer_id
JOIN Products p ON o.product_id = p.product_id;

-- Select from view
SELECT * FROM OrderSummary;
```

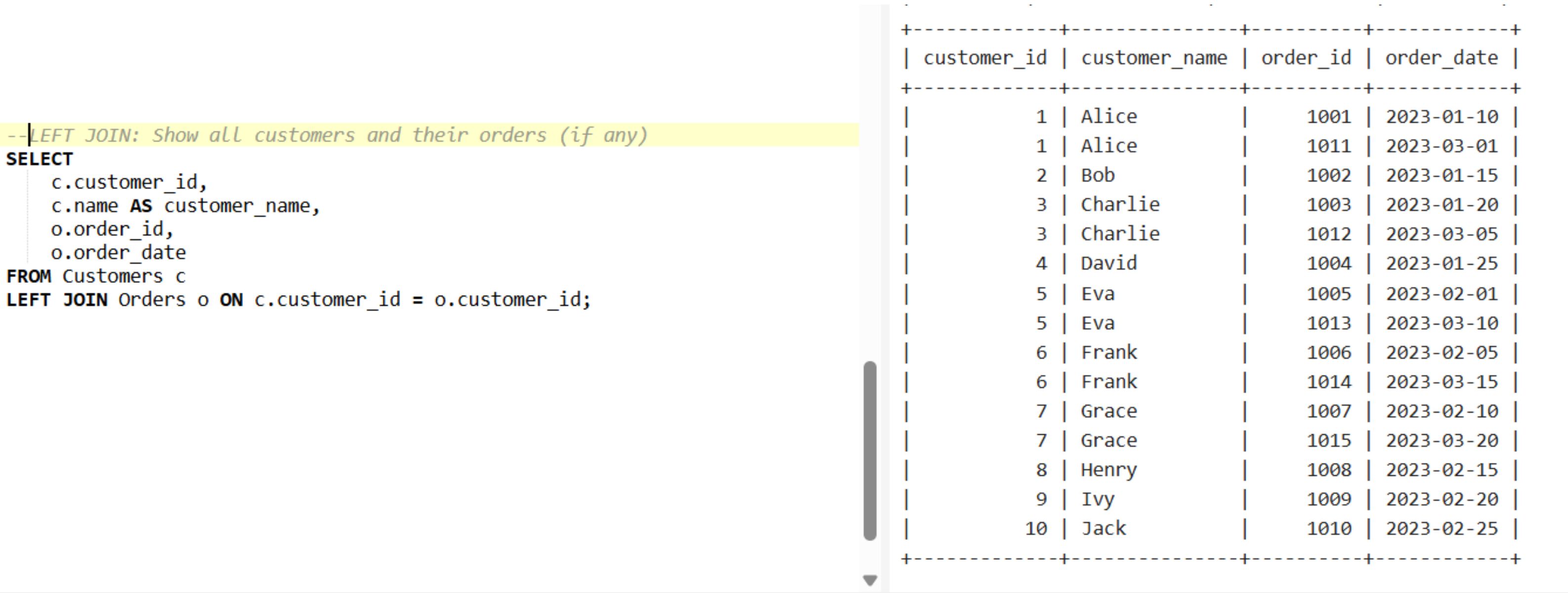
```
+----------+---------------+--------------+----------+--------+--------------+
| order_id | customer_name | product_name | quantity | price  | total_amount |
+----------+---------------+--------------+----------+--------+--------------+
|     1001 | Alice         | Laptop       |        1 | 900.00 |       900.00 |
|     1006 | Frank         | Laptop       |        1 | 900.00 |       900.00 |
|     1003 | Charlie       | Phone        |        2 | 500.00 |      1000.00 |
|     1009 | Ivy           | Phone        |        1 | 500.00 |       500.00 |
|     1015 | Grace         | Phone        |        3 | 500.00 |      1500.00 |
|     1002 | Bob           | Book         |        5 |  20.00 |       100.00 |
|     1008 | Henry         | Book         |        3 |  20.00 |        60.00 |
|     1013 | Eva           | Book         |        4 |  20.00 |        80.00 |
|     1007 | Grace         | Tablet       |        2 | 300.00 |       600.00 |
|     1012 | Charlie       | Tablet       |        1 | 300.00 |       300.00 |
|     1004 | David         | Pen          |       10 |   5.00 |        50.00 |
|     1010 | Jack          | Pen          |        6 |   5.00 |        30.00 |
|     1014 | Frank         | Pen          |        5 |   5.00 |        25.00 |
|     1005 | Eva           | Headphones   |        1 | 100.00 |       100.00 |
|     1011 | Alice         | Headphones   |        2 | 100.00 |       200.00 |
+----------+---------------+--------------+----------+--------+--------------+
```



```sql
-- Customers who placed more than one order
SELECT name
FROM Customers
WHERE customer_id IN (
    SELECT customer_id
    FROM Orders
    GROUP BY customer_id
    HAVING COUNT(order_id) > 1
);
```

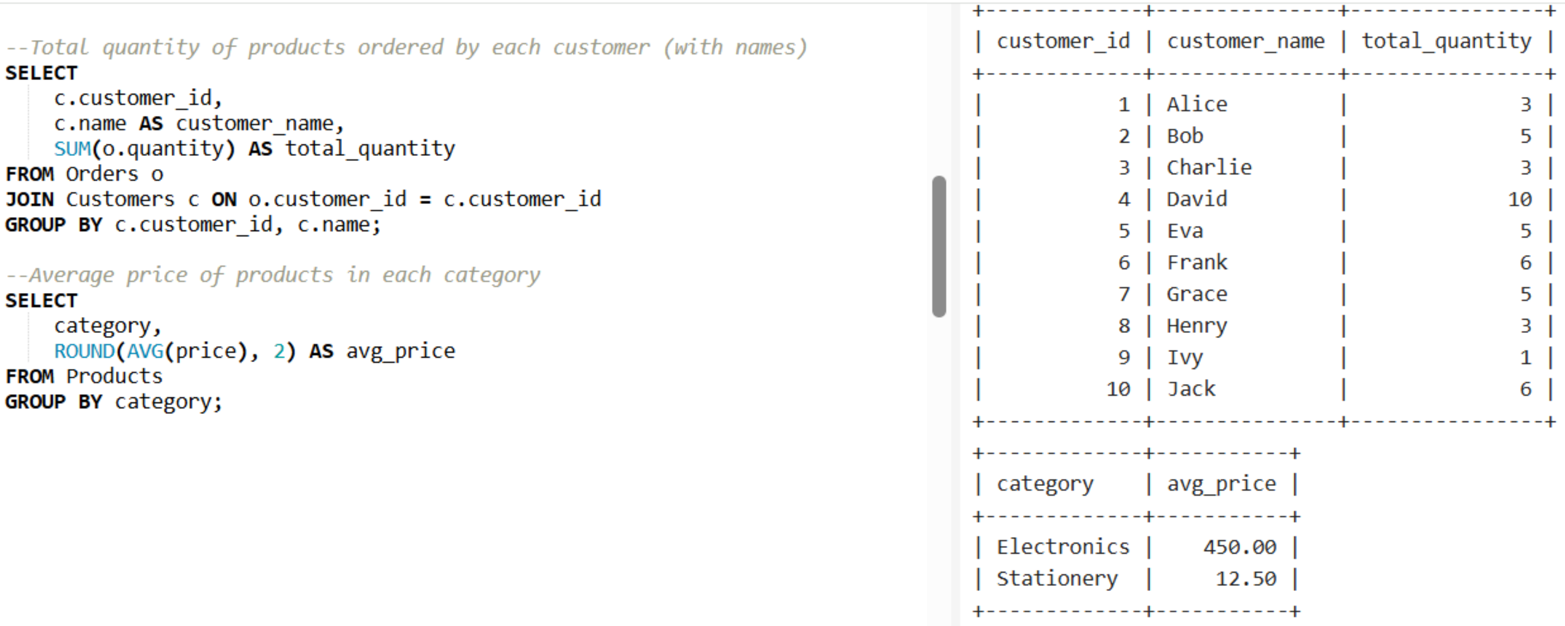


```
+---------+
| name    |
+---------+
| Alice   |
| Charlie |
| Eva     |
| Frank   |
| Grace   |
+---------+
```



```sql
--LEFT JOIN: Show all customers and their orders (if any)
SELECT
    c.customer_id,
    c.name AS customer_name,
    o.order_id,
    o.order_date
FROM Customers c
LEFT JOIN Orders o ON c.customer_id = o.customer_id;
```

```
+-------------+---------------+----------+------------+
| customer_id | customer_name | order_id | order_date |
+-------------+---------------+----------+------------+
|           1 | Alice         |     1001 | 2023-01-10 |
|           1 | Alice         |     1011 | 2023-03-01 |
|           2 | Bob           |     1002 | 2023-01-15 |
|           3 | Charlie       |     1003 | 2023-01-20 |
|           3 | Charlie       |     1012 | 2023-03-05 |
|           4 | David         |     1004 | 2023-01-25 |
|           5 | Eva           |     1005 | 2023-02-01 |
|           5 | Eva           |     1013 | 2023-03-10 |
|           6 | Frank         |     1006 | 2023-02-05 |
|           6 | Frank         |     1014 | 2023-03-15 |
|           7 | Grace         |     1007 | 2023-02-10 |
|           7 | Grace         |     1015 | 2023-03-20 |
|           8 | Henry         |     1008 | 2023-02-15 |
|           9 | Ivy           |     1009 | 2023-02-20 |
|          10 | Jack          |     1010 | 2023-02-25 |
+-------------+---------------+----------+------------+
```



```sql
--Total quantity of products ordered by each customer (with names)
SELECT
    c.customer_id,
    c.name AS customer_name,
    SUM(o.quantity) AS total_quantity
FROM Orders o
JOIN Customers c ON o.customer_id = c.customer_id
GROUP BY c.customer_id, c.name;

--Average price of products in each category
SELECT
    category,
    ROUND(AVG(price), 2) AS avg_price
FROM Products
GROUP BY category;
```

```
+-------------+---------------+----------------+
| customer_id | customer_name | total_quantity |
+-------------+---------------+----------------+
|           1 | Alice         |              3 |
|           2 | Bob           |              5 |
|           3 | Charlie       |              3 |
|           4 | David         |             10 |
|           5 | Eva           |              5 |
|           6 | Frank         |              6 |
|           7 | Grace         |              5 |
|           8 | Henry         |              3 |
|           9 | Ivy           |              1 |
|          10 | Jack          |              6 |
+-------------+---------------+----------------+
+-------------+-----------+
| category    | avg_price |
+-------------+-----------+
| Electronics |    450.00 |
| Stationery  |     12.50 |
+-------------+-----------+
```