```
1. Basic CTE - Add Order Value
WITH order_cte AS (
 SELECT
    order_id,
    customer_id,
    product_id,
    quantity * unit_price AS order_value
 FROM orders
SELECT *
FROM order_cte;
2. CTE + Filter Order Value > 500
WITH order_cte AS (
 SELECT
    order_id,
    customer_id,
    product_id,
    quantity * unit_price AS order_value
 FROM orders
)
SELECT *
FROM order_cte
WHERE order_value > 500;
3. CTE + GROUP BY - Total Spend per Customer
WITH order_cte AS (
 SELECT
    customer_id,
    SUM(quantity * unit_price) AS total_spend
 FROM orders
 GROUP BY customer_id
)
SELECT *
FROM order_cte
WHERE total_spend > 1500;
```

SQL Practice - CTE (Common Table Expression) Challenges

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4. CTE + JOIN - Attach Customer Name and Region
WITH customer_spend AS (
 SELECT
   customer_id,
   SUM(quantity * unit_price) AS total_spend
 FROM orders
 GROUP BY customer_id
SELECT
 c.customer_name,
 c.region,
 cs.total_spend
FROM customer_spend cs
INNER JOIN customers c ON cs.customer_id = c.customer_id;
5. CTE + JOIN + Filter by Region and Spend
WITH customer_spend AS (
 SELECT
   customer_id,
   SUM(quantity * unit_price) AS total_spend
 FROM orders
 GROUP BY customer_id
)
SELECT
 c.customer_name,
 c.region,
 cs.total_spend
FROM customer_spend cs
INNER JOIN customers c ON cs.customer_id = c.customer_id
WHERE c.region = 'North'
 AND cs.total_spend > 1000;
```