**10 SQL CTE Practice Questions**

**Q1.**

Write a CTE to calculate the **total sales amount per sale**  
(total\_amount = quantity \* unit\_price)  
and display all sales with total amount greater than ₹1000.

**Q2.**

Use a CTE to find the **total revenue generated by each store**.  
Then select only those stores whose total revenue exceeds ₹3000.

**Q3.**

Create a CTE to calculate **total quantity sold per product**.  
Then join it with the products table to show the **product name** and **total quantity sold**.

**Q4.**

Write a CTE that calculates **revenue by payment method** (UPI, Cash, Card).  
Then from the CTE, find which **payment method generated the highest revenue**.

**Q5.**

Use a CTE to calculate **total sales per region**.  
Then in the main query, show each region with its total sales and  
**rank the regions** by sales (use RANK() or DENSE\_RANK()).

**Q6.**

Create a CTE to find **average unit price per category**  
by joining sales\_data with products.  
Then select all categories where the **average price > 150**.

**Q7.**

Use a CTE to get the **total revenue and total quantity** sold per store.  
Then in the main query, use a **CASE statement** to categorize stores as:

* 'High Performing' if revenue > 5000
* 'Average' if between 3000 and 5000
* 'Low Performing' otherwise

**Q8.**

Write a CTE that calculates the **profit** for each sale  
(profit = (unit\_price - cost\_price) \* quantity)  
by joining sales\_data and products.  
Then find the **average profit per category**.

**Q9.**

Using a CTE, calculate **daily total revenue**.  
Then in the main query, show the **day with the maximum revenue**.

**Q10.**

Create a **two-level CTE**:

* First CTE: Calculate total sales per store
* Second CTE: Calculate the **average store revenue**  
  Finally, return all stores whose revenue is **above the average**.