Now let’s use it to create **30 practical aggregation & grouping questions** (just like a top SQL interviewer would ask a data analyst).

We’ll go from **Basic → Intermediate → Advanced**, all using your sales\_records table.

**🧱 BASIC LEVEL (1–10) — *Fundamentals of Aggregation & GROUP BY***

1. Find the **total number of orders** in the table.
2. Calculate the **total revenue** (unit\_price × quantity) for all sales.
3. Count how many **orders each customer** has placed.
4. Find the **total quantity sold** per product.
5. Display the **average unit price** per product category.
6. Show the **minimum and maximum unit price** for each category.
7. Count the number of **orders by order\_status**.
8. Find the **number of unique customers** in each shipping region.
9. Calculate the **total revenue** for each **payment method**.
10. Show total orders **per shipping\_region** sorted in descending order of count.

**⚙️ INTERMEDIATE LEVEL (11–20) — *Filtering, HAVING, and Multi-Column Grouping***

1. Find all customers who have placed **more than 2 orders** (HAVING COUNT(\*) > 2).
2. Show the **total revenue per customer** (include full name), sorted by highest revenue.
3. Find the **average order value** for each shipping\_region.
4. Show total sales for each **product\_category** where total revenue > ₹500.
5. Calculate the **average quantity per order\_status**.
6. For each customer, show how many **distinct product categories** they purchased from.
7. Find the **top 3 product categories** by total revenue.
8. Find the **most popular payment\_method** (the one used in the most orders).
9. Show **total revenue per region and category**, ordered by revenue descending.
10. Find **products that have been sold more than once** across all customers.

**🚀 ADVANCED LEVEL (21–30) — *Complex Aggregations, Nested Logic, and Ranking***

1. Find the **customer who spent the most** overall (total revenue).
2. Find the **region that generated the highest total revenue**.
3. Calculate the **average order value per customer** and show only those above the global average.
4. Identify the **top-selling product (by revenue)** in each product\_category.
5. Show **monthly total revenue**, grouping by MONTH(order\_date).
6. Find **average revenue per order\_status** and sort descending.
7. Identify customers who bought **both Electronics and Books**.
8. For each region, find the **percentage contribution** of each product\_category to total regional revenue.
9. Show **total revenue by region**, plus a **grand total** (using WITH ROLLUP).
10. Find the **latest order date** and the **customer who placed it**.