**Generate Sales Reports Using Grouping and Aggregation**

**Aggregate Functions Covered:**

* SUM()
* AVG()
* COUNT()
* MAX()
* MIN()

**Sales Report Questions Using Grouping and Aggregation**

1. What is the total sales amount (SUM) grouped by each **product category**?
2. What is the average (AVG) order value for each **customer**?
3. Which **products** have been sold the most (SUM(Quantity)), and what is the total quantity sold per product?
4. How many orders (COUNT) has each **customer** placed?
5. What is the **maximum order amount** (MAX) placed by each customer?
6. Show the **total number of orders** per **month** in the year 2025.
7. Display the **total revenue** per **city** based on shipping addresses.
8. What is the **total tax amount** collected per **month**?
9. Which **product categories** have total sales greater than 50,000 BDT? (Use HAVING)
10. What is the **average price** of products per **category**?
11. How many **unique customers** placed orders in each **district** (COUNT(DISTINCT CustomerID))?
12. What is the **total shipping cost** per **shipping method**?
13. Find the **highest quantity sold** per product and the customer who purchased it.
14. List the **top 5 customers** by total purchase amount (SUM(TotalAmount)) using ORDER BY.
15. Calculate the **total carbon footprint** per category from sold products.
16. Display the **number of orders** and **average order value** for each **payment type**.
17. Show the **monthly trend** of eco-packaging usage (COUNT(\*) WHERE EcoPackagingOption = 1) grouped by month.
18. Find the **products with average rating > 4** that have been reviewed by at least 3 customers.
19. Show the **average quantity per order** for each product.
20. Which **products** are below the **reorder level** in stock but still being sold (JOIN with Order\_Item)?