**Aggregate Functions Assessment Question: Real-Life Scenario**

**Scenario:**

You are tasked with managing the database for a retail store. The store keeps track of its sales data in a table called Sales. The structure of the Sales table is as follows:

| **Column Name** | **Data Type** | **Description** |
| --- | --- | --- |
| SaleID | INT | Unique identifier for each sale. |
| ProductName | VARCHAR(100) | Name of the product sold. |
| Category | VARCHAR(50) | Category of the product (e.g., Electronics, Groceries). |
| Quantity | INT | Quantity of the product sold. |
| PricePerUnit | DECIMAL(10,2) | Price of a single unit of the product. |
| SaleDate | DATE | Date when the sale occurred. |

**Tasks:**

1. **Calculate the Average Sale Price:** Write a query to calculate the average price of all products sold in the store.
2. **Determine Total Sales Revenue:** Write a query to calculate the total revenue generated by all sales. (Hint: Use Quantity \* PricePerUnit to calculate the revenue for each sale.)
3. **Count the Number of Sales:** Write a query to count the total number of sales transactions recorded in the Sales table.
4. **Find the Most Expensive Product Sold:** Write a query to find the maximum price per unit among all products.
5. **Identify the Cheapest Product Sold:** Write a query to find the minimum price per unit among all products.

**Expected Output Examples:**

For example, if the data in the Sales table is:

| **SaleID** | **ProductName** | **Category** | **Quantity** | **PricePerUnit** | **SaleDate** |
| --- | --- | --- | --- | --- | --- |
| 1 | Laptop | Electronics | 2 | 1000.00 | 2025-01-10 |
| 2 | Smartphone | Electronics | 3 | 800.00 | 2025-01-12 |
| 3 | Bread | Groceries | 5 | 2.50 | 2025-01-13 |
| 4 | Milk | Groceries | 10 | 1.50 | 2025-01-14 |

* Average Sale Price: $451.50
* Total Revenue: $4,812.50
* Total Number of Sales: 4
* Maximum Price Per Unit: $1000.00
* Minimum Price Per Unit: $1.50