Overall totals (units & revenue)

Purpose: Shows total quantity sold and total revenue.

```
SELECT
  SUM(quantity) AS total_units,
  ROUND(SUM(quantity * price), 2) AS total_revenue
FROM sales;
```

Revenue by product (GROUP BY)

Purpose: Shows total quantity and revenue for each product, sorted by revenue.

```
SELECT
  product,
  SUM(quantity) AS total_qty,
  ROUND(SUM(quantity * price), 2) AS revenue
FROM sales
GROUP BY product
ORDER BY revenue DESC;
```

Top 3 products by revenue

Purpose: Lists the three products with highest revenue.

```
SELECT
  product,
  SUM(quantity) AS total_qty,
  ROUND(SUM(quantity * price), 2) AS revenue
FROM sales
GROUP BY product
ORDER BY revenue DESC
LIMIT 3;
```

Daily revenue trend

Purpose: Shows revenue totals per sale_date for trend analysis.

```
SELECT
  sale_date,
  ROUND(SUM(quantity * price), 2) AS daily_revenue
FROM sales
GROUP BY sale_date
ORDER BY sale_date;
```

Weighted average selling price per product

Purpose: Computes average selling price weighted by quantity sold.

```
SELECT
  product,
  ROUND(SUM(quantity * price) * 1.0 / SUM(quantity), 2) AS weighted_avg_price,
  SUM(quantity) AS total_qty,
  ROUND(SUM(quantity * price), 2) AS revenue
FROM sales
GROUP BY product
ORDER BY weighted_avg_price DESC;
```

Revenue share (%) by product

Purpose: Calculates each product's percentage contribution to total revenue.

```
WITH total AS (
  SELECT SUM(quantity * price) AS grand_rev FROM sales
)
SELECT
  s.product,
  ROUND(SUM(s.quantity * s.price), 2) AS revenue,
  ROUND(100.0 * SUM(s.quantity * s.price) / (SELECT grand_rev FROM total), 2) AS revenue_share
FROM sales s
GROUP BY s.product
ORDER BY revenue DESC;
```