

## Sales Data Warehouse – SQL Queries

### 1. Category-wise sales

```
SELECT p.category, SUM(f.total_amount) AS total_sales FROM sales_dw1.fact_sales1 f JOIN sales_dw1.dim_product1 p ON f.product_id = p.product_id GROUP BY p.category;
```

### 2. Customer-wise total sales

```
SELECT c.customer_name, SUM(f.total_amount) AS total_sales FROM sales_dw1.fact_sales1 f JOIN sales_dw1.dim_customer1 c ON f.customer_id = c.customer_id GROUP BY c.customer_name;
```

### 3. Store-wise total sales

```
SELECT s.store_name, SUM(f.total_amount) AS total_sales FROM sales_dw1.fact_sales1 f JOIN sales_dw1.dim_store1 s ON f.store_id = s.store_id GROUP BY s.store_name;
```

### 4. Year-wise sales

```
SELECT d.year, SUM(f.total_amount) AS total_sales FROM sales_dw1.fact_sales1 f JOIN sales_dw1.dim_date1 d ON f.date_id = d.date_id GROUP BY d.year;
```

### 5. Total sales amount

```
SELECT SUM(total_amount) AS total_sales FROM sales_dw1.fact_sales1;
```

### 6. Total quantity sold

```
SELECT SUM(quantity) AS total_quantity_sold FROM sales_dw1.fact_sales1;
```

### 7. Product-wise total sales

```
SELECT p.product_name, SUM(f.total_amount) AS total_sales FROM sales_dw1.fact_sales1 f JOIN sales_dw1.dim_product1 p ON f.product_id = p.product_id GROUP BY p.product_name;
```

### 8. Month-wise sales for 2025

```
SELECT d.month, SUM(f.total_amount) AS total_sales FROM sales_dw1.fact_sales1 f JOIN sales_dw1.dim_date1 d ON f.date_id = d.date_id WHERE d.year = 2025 GROUP BY d.month ORDER BY d.month;
```

### 9. Total sales in Chennai

```
SELECT SUM(f.total_amount) AS total_sales_chennai FROM sales_dw1.fact_sales1 f JOIN sales_dw1.dim_store1 s ON f.store_id = s.store_id WHERE s.city = 'CHENNAI';
```

### 10. Highest selling product

```
SELECT p.product_name, SUM(f.total_amount) AS total_sales FROM sales_dw1.fact_sales1 f JOIN sales_dw1.dim_product1 p ON f.product_id = p.product_id GROUP BY p.product_name ORDER BY total_sales DESC LIMIT 1;
```