```
USE DATABASE coffee_sales_db;



USE SCHEMA PUBLIC;

SHOW TABLES;

SELECT * FROM sales_data;

SELECT * FROM coffee_sales_db.PUBLIC.sales_data;

--total revenue
SELECT SUM(unit_price * transaction_qty) AS total_revenue
FROM coffee_sales_db.PUBLIC.sales_data;

----Sales by category
SELECT product_category, SUM(unit_price * transaction_qty) AS revenue
FROM coffee_sales_db.PUBLIC.sales_data
GROUP BY product_category;

--Revenue by Category & Time
SELECT product_type, SUM(transaction_qty) AS total_units
FROM coffee_sales_db.PUBLIC.sales_data
GROUP BY product_type;

--product sales details
```

```
SELECT product_detail AS product_name, product_category, COUNT(*) AS transactions,
SUM(transaction_qty) AS total_units_sold,
SUM(unit_price * transaction_qty) AS total_revenue,
AVG (unit_price) AS average_unit_price
FROM coffee_sales_db.PUBLIC.sales_data
GROUP BY product_detail, product_category
ORDER BY total_revenue DESC;


-- AN HOUR time buckets
SELECT DATE_TRUNC('HOUR', transaction_time) AS hour_bucket,
      SUM(transaction_qty) AS units_sold
FROM coffee_sales_db.PUBLIC.sales_data
GROUP BY transaction_time;

--sales by product and day
SELECT product_type AS product_name, product_category,
DATE_TRUNC('day', transaction_date) AS sale_date,
SUM(transaction_qty) AS total_units_sold,
SUM(unit_price * transaction_qty) AS total_revenue,
AVG(unit_price) AS average_unit_price
FROM coffee_sales_db.PUBLIC.sales_data
GROUP BY product_type, product_category,transaction_date
ORDER BY transaction_date,total_revenue DESC;
```